

R0469



Denis L. Brown

Shell Oil Products US

December 14, 2005

HSE – Environmental Services
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Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Subsurface Investigation Report
Shell-branded Service Station
6039 College Avenue
Oakland, California
SAP Code 135685
Incident No. 98995745
ACHCSA # 3719

DEC 14 2005
ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Subsurface Investigation Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink that reads "Denis L. Brown". The signature is fluid and cursive, with the first name "Denis" and last name "Brown" clearly legible.

Denis L. Brown
Sr. Environmental Engineer

December 14, 2005

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Subsurface Investigation Report**
Shell-branded Service Station
6039 College Avenue
Oakland, California
Incident # 98995745
Project # 247-0503
ACHCSA Case #3719

Alameda County
DEC 20 2005
Environmental Health Services



Dear Mr. Wickham:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Cambria Environmental Technology, Inc. (Cambria) prepared this report to document recent subsurface investigation activities at the referenced site. The purpose of the investigation was to assess the lateral extent of petroleum hydrocarbons and fuel oxygenates in soil and groundwater beneath the site, and to determine whether more permeable layers exist beneath the fine-grained material encountered when installing existing monitoring wells MW-5 and MW-6. Cambria followed the scope of work outlined in our June 30, 2005 *Subsurface Investigation Work Plan Amendment 3* and approved by the Alameda County Health Care Services (ACHCSA) in a July 8, 2005 letter to Shell. However, due to the location of utilities identified by a private utility survey and in accordance with Shell's safety protocol, Cambria could not advance soil borings SB-4 and SB-5.

SITE LOCATION AND DESCRIPTION

Location and Site Use: The Shell service station at 6039 College Avenue is situated in a mixed commercial and residential neighborhood of Oakland, California. The service station has been in operation since 1940. Groundwater sampling has been performed at the site since 1990.

**Cambria
Environmental
Technology, Inc.**

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PREVIOUS WORK

1957 Underground Storage Tank (UST) Removal and Replacement: According to Shell's records, one 550-gallon and three 1,000-gallon steel USTs containing gasoline, and one 110-gallon single-walled steel waste-oil tank were removed in 1957. These tanks were apparently installed when the station first opened in 1940. The tanks were replaced by three 5,000-gallon leaded gasoline tanks and one 1,000-gallon waste-oil tank, all of single-wall steel construction.



1978 UST Removal and Installation: According to Shell's records, one 8,000-gallon and three 5,000-gallon steel USTs and one 1,000-gallon waste oil tank were removed in 1978. It is not clear from the available data when the 8,000-gallon tank was installed. The tanks were replaced by three 10,000-gallon fiberglass USTs for gasoline storage.

1989 Unauthorized Release: In September 1989, the Alameda County Department of Environmental Health received notification of an unauthorized release from a UST. The source of the release was reported as a slight weep at the piping connection to the submersible pump for a gasoline tank.

1990 Soil Borings: In January 1990, Harding Lawson Associates (HLA) drilled soil borings B-1 through B-6 to a depth of approximately 25 feet below ground surface (bgs). Up to 610 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg), 5,900 ppm total petroleum hydrocarbons as diesel (TPHd), 110,000 ppm total petroleum hydrocarbons as motor oil, and 0.57 ppm benzene were detected in soil samples from borings B-3 and B-6. Petroleum hydrocarbon concentrations were near or below laboratory detection limits in soil samples collected from borings B-1, B-2, B-4, and B-5. Details of the investigation are included in HLA's April 13, 1990 *Quarterly Technical Report, First Quarter 1990*.

1990 Soil Boring and Well Installations: In February 1990, HLA drilled and installed groundwater monitoring wells MW-1 through MW-4 to a depth of 25 feet bgs. Up to 230 ppm TPHg and 1.1 ppm benzene were detected in soil samples collected from the MW-3 and MW-4 borings. Petroleum hydrocarbon concentrations were near or below laboratory detection limits in soil samples collected from the MW-2 boring. Details of the investigation and well installations are included in HLA's July 10, 1990 *Quarterly Technical Report, Second Quarter 1990*.

1991 Soil Boring and Well Installation: In August 1991, HLA installed monitoring well MW-5 to a depth of 28 feet bgs. Although 23 ppm of a petroleum mixture other than gasoline was detected in a soil sample from 16 feet, no benzene was detected in any samples collected. HLA's October 10, 1991 *Quarterly Technical Report, Third Quarter 1991* documents the investigation and well installations.


1993 Soil Boring and Well Installation: In March 1993, Weiss Associates (WA) drilled soil borings BH-A through BH-E and converted boring BH-E into monitoring well MW-6. Up to 580 ppm TPHg, 0.42 ppm benzene, and 930 ppm petroleum oil and grease were detected in soil samples collected from borings BH-A, BH-C and BH-D. No petroleum hydrocarbons were detected in soil samples collected from boring BH-B, and only 3.5 ppm TPHd was detected in soil samples collected from boring BH-E (well MW-6). The report detailing this investigation is unavailable at this time.

Separate-Phase and Dissolved-Phase Hydrocarbon Removal: Weekly extraction of separate-phase hydrocarbons (SPH) and dissolved-phase hydrocarbons was initiated at this site in September 22 and November 10, 1999. Advanced Cleanup Technologies, Inc. of Benicia, California extracted SPH and groundwater from wells MW-3 and MW-4 with a vacuum truck. Beginning November 10, 1999, Blaine Tech Services, Inc. (Blaine) of San Jose, California took over the weekly purging events as the volume of groundwater and SPH removed each week was not sufficient to warrant using a vacuum truck. Due to the absence of SPH in MW-4, weekly purging events by Blaine were discontinued on June 8, 2000. No SPH was detected in the first quarter of 2001. SPH reappeared in the second and third quarters of 2001, and monthly extraction was resumed in December 2001. Monthly mobile groundwater extraction was restarted in December 2001 and has removed an approximate total of 2.2 pounds of hydrocarbons and 2.3 pounds of methyl tertiary butyl ether (MTBE) to date.

February 1998 Dispenser and Piping Upgrade Soil Sampling: In February 1998, Cambria collected soil samples for analysis during an upgrade of the site's four gasoline dispensers. The maximum hydrocarbon concentrations were detected in soil samples collected at Dispenser C. TPHg, TPHd, and benzene were detected at concentrations of 5,300 ppm, 420 ppm, and 10 ppm, respectively. Samples from the other dispenser locations contained significantly lower concentrations. Details of the soil sampling are included in Cambria's April 30, 1998 *Dispenser Soil Sampling Report*.

March 1998 Potential Receptor Survey: In March 1998, Cambria completed a potential receptor survey to identify sensitive groundwater receptors within a ½-mile radius of the site. Three surface water bodies and one potential receptor well were located within the study area. However, due to their distance and location upgradient and cross-gradient of the site, Cambria

concluded that none would be impacted by hydrocarbons detected at the subject site. Survey details are included in Cambria's March 5, 1998 *Potential Receptor Survey Report*. Area well survey results are included on Figure 1.



August 2001 Site Conceptual Model (SCM) and Well Receptor Survey and Conduit Study: In 2001, Shell voluntarily instructed Cambria to prepare and submit an SCM and well receptor survey for the site. The receptor survey identified three surface water bodies and five potential receptor wells within a ½-mile radius of the site. Due to either their distance from the site or their location upgradient and cross-gradient of the site, it is unlikely that any of these wells would be impacted by hydrocarbons originating from the site. The conduit investigation findings indicated that there is potential for preferential pathway migration of petroleum hydrocarbons in existing horizontal utility trenches. Cambria's August 9, 2001 *Site Conceptual Model and Well Receptor Survey* report presents the SCM and details of the well receptor and conduit studies.

May 2004 Dispenser and Piping Upgrade Soil Sampling: In May 2004, Cambria collected soil samples for analysis during an upgrade of the site's fueling system. MTBE and benzene were not detected in any of the soil samples collected during the upgrade activities. TPHg was detected in only one sample (P-3-4'), at a concentration of 17 parts per million. Cambria's July 7, 2004 *Dispenser and Piping Upgrade Sampling Report* documents the soil sampling.

INVESTIGATION SUMMARY

Cambria directed the advancement of six of the eight proposed soil borings (SB-1, SB-2, SB-3, SB-6, SB-7, and SB-8) to assess current subsurface conditions off-site and downgradient of the site and on site in the vicinity of the fuel dispensers and USTs. Cambria's standard field procedures for soil borings is presented in Attachment A.


Upon inspection of utility markings on Claremont Avenue, it became unclear whether proposed borings SB-4 and SB-5 could be performed. High voltage electricity lines were marked on the eastern sidewalk, and telecommunications lines were marked in the eastern parking lane and "slow" driving lane of Claremont Avenue. The City of Oakland Public Works Agency would not allow the outer "fast" lane to be closed for drilling activities. This lane also contained a natural gas main marked by Pacific Gas and Electric. Cambria made every attempt to relocate borings SB-4 and SB-5, and hired a private utility locator to assist in finding a suitable location for their completion. However, due to safety concerns and the lack of available options, the borings were ultimately deemed too risky for completion near the utility corridor.

Following hand-auger utility clearance to 5 feet, all six borings were advanced by a direct-push drill rig and continuously logged for lithologic description. Soil samples were collected every 5 feet in unsaturated soils for chemical analysis, and in areas with visual staining and odor. A grab groundwater sample was collected from all borings at first-encountered groundwater. Groundwater samples were collected by installing a 2-inch PVC temporary well, screened in the desired sampling interval, into the borehole. Samples were collected through polyethylene tubing. The temporary well casing, screen, and tubing were discarded after each sample was collected.

At locations SB-6 and SB-7, additional borings were advanced adjacent to the initial boring, and a hydropunch sampler was used to attempt to collect depth-discrete groundwater samples for investigating the vertical distribution of hydrocarbons and MTBE in groundwater. The hydropunch sampler is operated by advancing hollow-push rods with the filter tip closed to the base of the desired sampling interval. Once the desired sample depth was reached, the push rods were retracted; exposing the encased filter screen. Sampling intervals, 30 to 33 fbg at SB-6 and 30 to 34 fbg at SB-7, were selected based on the observed lithology and moisture content. However, despite allowing a minimum of 1 hour for water to infiltrate the screen at each location, insufficient quantities of groundwater were encountered, and no additional groundwater samples were collected. Due to time constraints and its proximity to SB-7, no additional borings were advanced adjacent to boring SB-3.

During the advancement of SB-2, the initial grab groundwater sample was collected by installing a 2-inch PVC temporary well in the borehole, screened between 30 and 35 fbg. Material beneath this interval was observed to contain insufficient water to collect additional samples, so the proposed additional boring adjacent to SB-2 was not completed.

<i>Personnel Present:</i>	Ron Barone, Cambria.
<i>Permits:</i>	City of Oakland Obstruction Permit #OB050666, Excavation Permit X0501042, Alameda County Public Works Agency Water Resources Well Permit # W2005-0939 (Attachment B).
<i>Drilling Company:</i>	Vironex Environmental Sampling of San Leandro, CA (C-57 License # 705927).
<i>Drilling Dates:</i>	September 28 and 29, 2005.
<i>Drilling Methods:</i>	Hand auger and direct push.
<i>Number of Borings:</i>	Six borings (SB-1, SB-2, SB-3, SB-6, SB-7, SB-8). Table 1 provides boring details.

- Boring Depths:** Borings SB-1, SB-3, SB-6 and SB-8 were advanced to 35 fbg, SB-7 to 45 fbg, and SB-2 to 50 fbg.
- Groundwater Depths:** Initial groundwater was observed in all borings at depths of approximately 20 fbg to 30 fbg.
- Soil Sampling:** Soil samples were collected every 5 feet for soil description, possible chemical analysis, and headspace analysis. Soil samples were screened (headspace) for the presence of organic vapors using a photo-ionization detector.
-  **Groundwater Sampling:** Groundwater grab samples of the first-encountered groundwater were collected from each boring.
- Additional groundwater sampling was attempted in borings advanced adjacent to borings SB-6 and SB-7, but insufficient water was encountered for sample collection.
- Soil Classification:** Soils encountered during drilling activities consisted of silts to approximately 5 to 9 fbg, sandy clay and clay to approximately 17 to 28 fbg, and clayey sand, silty gravel, and clay to a total explored depth of 50 fbg. Boring logs are presented as Attachment C.
- Backfill Method:** All borings were backfilled with neat cement grout to match the existing grade.
- Chemical Analyses:** State-certified Severn Trent Laboratories of Pleasanton, California analyzed all soil and groundwater samples for TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), MTBE, di-isopropyl ether (DIPE), ethyl tert butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDE) and ethanol by EPA Method 8260B. The laboratory results are presented as Attachment D.
- Soil Disposal:** Investigation activities generated approximately 0.41 tons of soil. To characterize stockpiled soil for disposal, one four-point composite sample was collected and analyzed for TPHg and BTEX by EPA Method 8260B and for total lead by EPA Method 6010B. Manley & Sons Trucking, Inc transported the stockpile

from the site to Forward Landfill in Manteca, California for disposal on October 29, 2005. The soil disposal confirmation is included as Attachment E.

INVESTIGATION RESULTS

Lithology: Soil lithology observed during this investigation was relatively consistent with that of previous investigations.



In a May 13, 2005 letter, ACHCSA requested that borings SB-2, SB-3, SB-6, and SB-7 be advanced to 20 feet below the current water table to determine whether more permeable layers exist beneath the fine-grained material encountered when installing existing monitoring wells MW-5 and MW-6. Due to time constraints and its proximity to boring SB-7, this advancement was not completed at SB-3. The advancement of SB-6 was erroneously halted at 15 feet below the depth of first-encountered groundwater.

The lithology encountered during the advancement of borings SB-2, SB-6, and SB-7 was relatively consistent with that encountered in MW-5 and MW-6 to the wells' total depths of 31.5 and 26.5 fbg, respectively. Below these depths, intervals with greater assumed permeability were encountered in borings SB-6 and SB-7.

It is likely that the clayey sand with gravel encountered between 26.5 and 30 fbg and again between 32 and 34 fbg, and the clay with sand encountered between 30 and 32 fbg in boring SB-7 are a continuous water bearing unit and provide the water for monitoring well MW-5 under confined conditions. An attempt was made to collect a discrete groundwater sample from between 30 and 34 fbg, but the interval contained insufficient water for sample collection. The lack of sample recovery between 35 and 40 fbg in SB-7 precluded the possible identification of additional, deeper water-bearing units at this location.

In boring SB-6, the clayey gravel with sand and silty sand encountered between 17 and 22 fbg are likely the source of water for monitoring well MW-6, under confined conditions. An additional water-bearing unit was identified between 30 and 33 fbg. This unit is separated from the shallower water-bearing unit by an approximately 8-foot thick clay and clay with sand interval. An attempt was made to collect a discrete groundwater sample from the second water-bearing unit, but it contained insufficient water for sample collection. The premature termination of this boring precluded the possible identification of additional, deeper water-bearing units at this location.

No samples were recovered between 30 and 35 fbg in SB-2, so it is unknown whether additional permeable units exist in this interval at this location. No additional permeable units were encountered to the boring's total depth of 50 fbg.

Soil Analytical Results: TPHg was detected in nine soil samples, with concentrations ranging from 8.4 ppm to 740 ppm in samples SB-2-14.5 and SB-8-19.5, respectively. The laboratory reported that all nine soil samples contained a quantity of unknown hydrocarbons based on gasoline. Xylenes were detected only in sample SB-1-5.0, at a concentration of 0.015 ppm. MTBE was detected in three samples, with concentrations ranging from 0.0087 ppm to 0.28 ppm in samples SB-2-23.5 and SB-1-9.5, respectively. TBA was detected in seven samples, with concentrations ranging from 0.013 ppm to 0.53 ppm in samples SB-6-17.5 to SB-1-9.5, respectively. No other analytes were detected in soil samples collected during this investigation.

Table 2 summarizes the soil analytical data. The laboratory analytical reports are included as Attachment D.

Groundwater Analytical Results: Groundwater samples were collected from each boring during this investigation. TPHg was detected in five groundwater samples, with concentrations ranging from 71 parts per billion (ppb) and 43,000 ppb in samples SB-6-W and SB-8-W, respectively. Groundwater sample SB-6-W was analyzed out of hold time, but Cambria does not believe this affected the analytical results. Benzene was detected in sample SB-8-W at a concentration of 170 ppb in. Toluene was detected in two samples, with concentrations ranging from 0.81 ppb to 0.86 ppb in samples SB-6-W and SB-1-W, respectively. Ethylbenzene was detected in four samples, with concentrations ranging from 0.63 ppb to 91 ppb in samples SB-1-W and SB-2-W, respectively. Xylenes were detected in two samples, with concentrations of 2.2 ppb and 34 ppb in samples SB-1-W and SB-8-W, respectively. MTBE was detected in all samples, with concentrations ranging from 1.3 ppb to 340 ppb in samples SB-7-W and SB-8-W, respectively. TBA was detected in five samples, with concentrations ranging from 5.4 ppb to 3,400 ppb in samples SB-1-W and SB-3-W, respectively. DIPE was detected in two samples, with concentrations of 210 ppb and 380 ppb in samples SB-2-W and SB-8-W, respectively. EDB was detected in sample SB-7-W at a concentration of 2.9 ppb. No other analytes were detected in the groundwater samples collected during this investigation.

Table 3 summarizes the groundwater analytical data. The laboratory analytical reports are included as Attachment D.

CONCLUSIONS AND RECOMMENDATIONS



The observed soil lithology was relatively consistent with that of previous investigations. Intervals with greater assumed permeability than those in which existing monitoring wells MW-5 and MW-6 are screened were encountered during the advancement of borings SB-6 and SB-7. In addition, an additional, deeper water-bearing unit was encountered in SB-6. Since it is isolated from the screened interval of monitoring well MW-6 by a relatively thick clay unit, the hydrocarbon impact to this water-bearing unit has not been assessed. However, the unit has not been encountered during the advancement of on-site borings, indicating that a pathway for impact from site activities is absent. In addition, the clay layer atop this unit would act to preclude migration of the minimally impacted groundwater from the upper to the deeper zone.

Based on results of this investigation, the hydrocarbon impact to soil in the area investigated is minimal, and based on the depths at which the impacted soil samples were collected, it is likely more indicative of impacted groundwater.

Borings SB-1 and SB-2 were advanced to provide information on hydrocarbon impacts in a portion of the site that had yet to be investigated and to determine the extent of impact downgradient of the site's dispenser islands. Relatively low TPHg, MTBE, and TBA concentrations were detected in the groundwater sample collected from boring SB-1. Because this location is adjacent to the site's westernmost dispenser island and downgradient of the easternmost dispenser island, it is difficult to determine the source of the hydrocarbons. However, the much greater impact to groundwater at boring SB-2 indicates that the site's westernmost dispenser island is a likely source area.

Boring SB-3 was advanced to provide lateral impact delineation downgradient of the site's former waste-oil tank and existing monitoring wells MW-3 and MW-4. Higher TPHg concentrations were detected in the groundwater sample from SB-3 than have been found historically in monitoring samples from adjacent monitoring well MW-5. This disparity is likely the result of the dilution of the samples collected from MW-5, which contains a greater volume of water available for sampling than did boring SB-3, and the lack of filtering of the garb groundwater sample. Benzene and TBA concentrations, in contrast, are similar at the two sampling points.

	TPHg	Benzene	MTBE	TBA
MW-5	<50	<0.5	4.4	37
SB-3	2,700	<0.5	4.0	3,400

Less impact to groundwater was evident at boring SB-7 (also installed adjacent to MW-5, but at a greater distance from the Shell site) than was seen at SB-3. Groundwater elevation contouring for groundwater monitoring indicates that the groundwater flow direction begins to change from a south-southwesterly to a southwesterly trend in the area around MW-5. Boring SB-7, then, likely represents the approximate south-southwesterly extent of impacted groundwater.

Boring SB-8 was advanced to determine whether there is any impact to soil or groundwater immediately downgradient of the existing USTs and between monitoring wells MW-3 and MW-4. The high TPHg concentration and relatively high MTBE concentration detected in the groundwater sample from this boring indicate high levels of fuel-impacts to groundwater in this area.

A comparison of MTBE and TBA concentrations in samples collected during this investigation indicates that oxygenate-impacted groundwater resides primarily at the western and south-southwestern edges of the site and off site in the downgradient direction. Comparisons between the MTBE and TBA concentrations indicate that MTBE appears to be degrading to TBA as it moves downgradient from the site.



Comparison of depth-discrete groundwater analytical data to monitoring well data indicates relatively higher TPHg and TBA concentrations in the depth-discrete samples at some locations, but comparable benzene and MTBE concentrations. Based on the overall results of this investigation, Cambria believes that the existing monitoring wells adequately monitor the site's groundwater at these locations.

Based on the results of this investigation, Cambria recommends installing a groundwater monitoring well at the location of borings SB-2 to monitor groundwater immediately downgradient of the westernmost dispenser island, a suspected source of hydrocarbon impacts to groundwater.

CLOSING

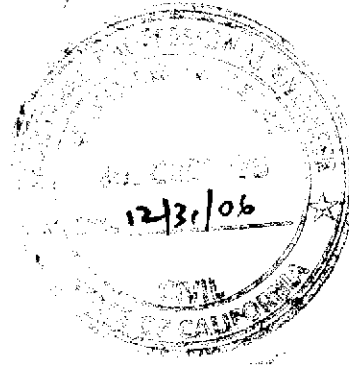
We appreciate your continued assistance with this project. Please call David Gibbs at (510) 420-3363 if you have any questions or comments regarding the contents of this report.

Sincerely,
Cambria Environmental Technology, Inc.



David M. Gibbs, P.G.
Project Geologist

Matthew W. Derby, P.E.
Senior Project Engineer



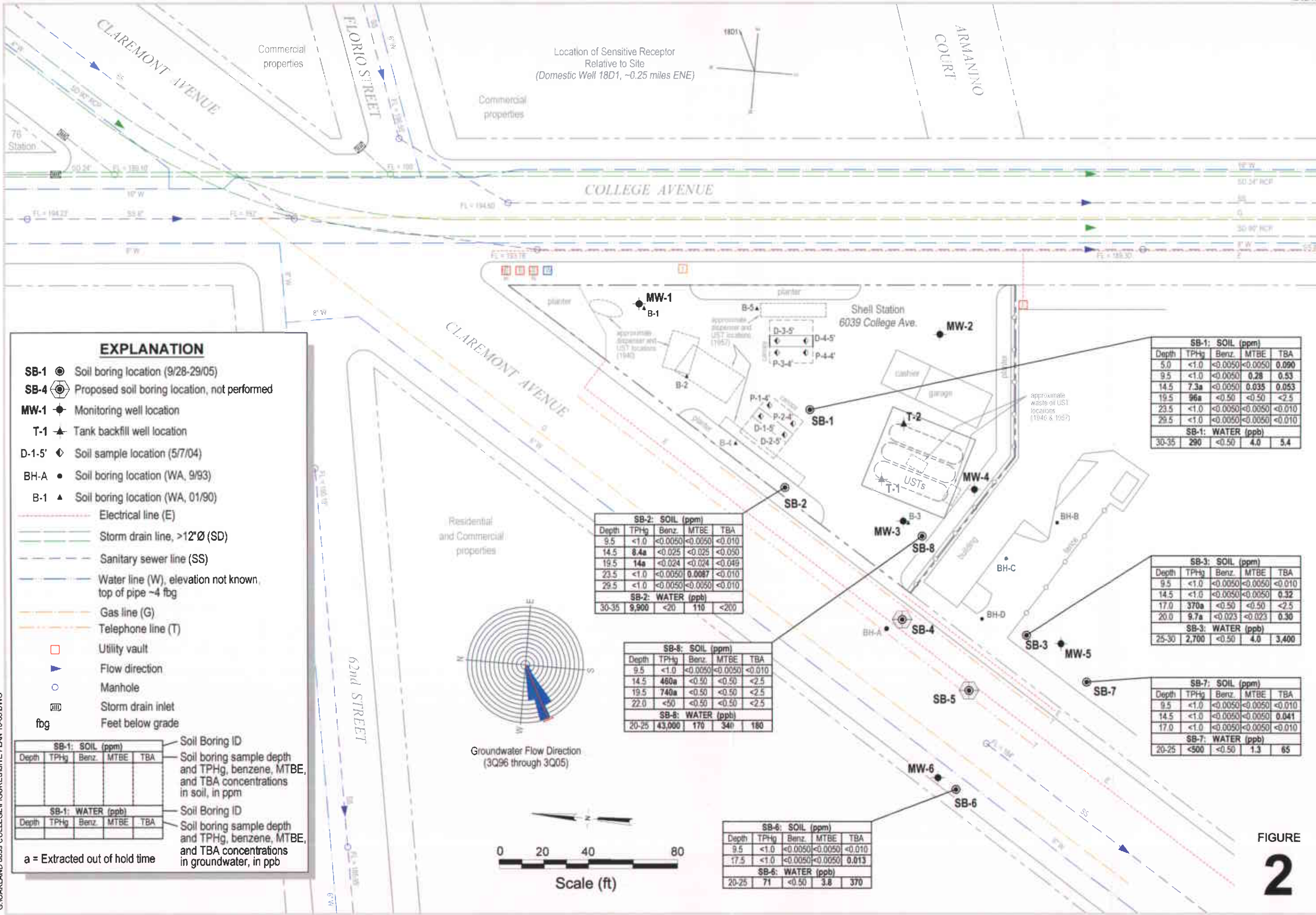
Figures: 1 - Vicinity/Area Well Survey Map
 2 - Site Plan

Tables: 1 - Boring Data
 2 - Historical Soil Analytical Data
 3 - Historical Groundwater Analytical Data

Attachments: A - Standard Field Procedures for Soil Borings
 B - Permits
 C - Soil Boring Logs
 D - Laboratory Analytical Reports
 E - Disposal Confirmation

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
 Russell J. Bruzzone, Inc., 899 Hope Lane, Lafayette, CA 94549
 Montrose Investment Co., 242 Rivera Circle, Greenbrae Marina, Larkspur, CA 94939
 Attn: Jim Graham
 Claremont Enterprises, Attn. Miriam Clark, 6013 Auburn Ave., Oakland, CA 94618

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EXPLANATION

- SB-1 ● Soil boring location (9/28-29/05)
- SB-4 ○ Proposed soil boring location, not performed
- MW-1 ● Monitoring well location
- T-1 ▲ Tank backfill well location
- D-1-5' ◆ Soil sample location (5/7/04)
- BH-A ● Soil boring location (WA, 9/93)
- B-1 ▲ Soil boring location (WA, 01/90)

- Electrical line (E)
- Storm drain line, >12"Ø (SD)
- Sanitary sewer line (SS)
- Water line (W), elevation not known, top of pipe -4 fbg
- Gas line (G)
- Telephone line (T)
- Utility vault
- ▶ Flow direction
- Manhole
- ⊕ Storm drain inlet
- fbg Feet below grade

SB-1: SOIL (ppm)					
Depth	TPHg	Benz.	MTBE	TBA	

Soil Boring ID

Soil boring sample depth and TPHg, benzene, MTBE, and TBA concentrations in soil, in ppm

SB-1: WATER (ppb)					
Depth	TPHg	Benz.	MTBE	TBA	

Soil Boring ID

Soil boring sample depth and TPHg, benzene, MTBE, and TBA concentrations in groundwater, in ppb

a = Extracted out of hold time

SB-1: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
5.0	<1.0	<0.0050	<0.0050	0.090
9.5	<1.0	<0.0050	0.28	0.53
14.5	7.3a	<0.0050	0.035	0.053
19.5	96a	<0.50	<0.50	<2.5
23.5	<1.0	<0.0050	<0.0050	<0.010
29.5	<1.0	<0.0050	<0.0050	<0.010

SB-1: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
30-35	290	<0.50	4.0	5.4

SB-2: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
9.5	<1.0	<0.0050	<0.0050	<0.010
14.5	8.4a	<0.025	<0.025	<0.050
19.5	14a	<0.024	<0.024	<0.049
23.5	<1.0	<0.0050	0.0087	<0.010
29.5	<1.0	<0.0050	<0.0050	<0.010

SB-2: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
30-35	9,900	<20	110	<200

SB-8: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
9.5	<1.0	<0.0050	<0.0050	<0.010
14.5	480a	<0.50	<0.50	<2.5
19.5	740a	<0.50	<0.50	<2.5
22.0	<50	<0.50	<0.50	<2.5

SB-8: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
20-25	43,000	170	340	180

SB-3: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
9.5	<1.0	<0.0050	<0.0050	<0.010
14.5	<1.0	<0.0050	<0.0050	0.32
17.0	370a	<0.50	<0.50	<2.5
20.0	9.7a	<0.023	<0.023	0.30

SB-3: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
25-30	2,700	<0.50	4.0	3,400

SB-7: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
9.5	<1.0	<0.0050	<0.0050	<0.010
14.5	<1.0	<0.0050	<0.0050	0.041
17.0	<1.0	<0.0050	<0.0050	<0.010

SB-7: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
20-25	<500	<0.50	1.3	65

SB-6: SOIL (ppm)

Depth	TPHg	Benz.	MTBE	TBA
9.5	<1.0	<0.0050	<0.0050	<0.010
17.5	<1.0	<0.0050	<0.0050	0.013

SB-6: WATER (ppb)

Depth	TPHg	Benz.	MTBE	TBA
20-25	71	<0.50	3.8	370



C A M B R I A

Shell-branded Service Station

6039 College Avenue
Oakland, California
Incident No. 98995745

FIGURE
2

Table 1. Boring Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA - Incident # 98995745

Boring ID	Date Advanced	Diameter (inches)	Direct Push Depth (fbg)	Attempted Hydropunch Sampling Interval (fbg)	Depth To Water (fbg)
SB-1	9/29/2005	2	35	—	30
SB-2	9/29/2005	2	50	—	30
SB-3	9/28/2005	2	35	—	25
SB-6	9/28/2005	2	35	30-33	20
SB-7	9/28/2005	2	45	30-34	20
SB-8	9/29/2005	2	35	—	20

Abbreviations and Notes:

— = Not Performed

Table 2. Historical Soil Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	Depth (fbg)	TPH			Oil and			Toluene	Ethyl- benzene	Total									
			TPHg	TPHd	TPHmo	Grease	Benzene	Xylenes			MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Lead	
<i>1990 Soil Borings</i>																				
B-1	1/4/1990	22.5	8.1	--	--	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
B-2	1/5/1990	18	130	--	--	--	0.62	<0.1	0.48	1.2	--	--	--	--	--	--	--	--	--	
B-2	1/5/1990	24	1.8	--	--	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
B-3	1/5/1990	19	610	5,900	110,000	810	0.24	0.18	4.1	9.8	--	--	--	--	--	--	--	--	13	
B-3	1/5/1990	21	71	750	14,000	380	0.19	<0.1	0.53	0.68	--	--	--	--	--	--	--	--	7.6	
B-4	1/4/1990	18.5	170	--	--	--	0.57	0.11	0.65	1.3	--	--	--	--	--	--	--	--	--	
B-4	1/4/1990	25	<1	--	--	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
B-5	1/4/1990	22	<1	--	--	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
B-5	1/4/1990	23	4.4	--	--	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
B-6	1/5/1990	19.5	260	--	12,000	1,100	0.28	<0.1	1.3	2.1	--	--	--	--	--	--	--	--	8.1	
B-6	1/5/1990	22.5	<1	--	320	91	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	9.2	
<i>1990 Soil Boring and Well Installations</i>																				
MW-2	2/8/1990	11	<1	<1	<10	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
MW-2	2/8/1990	15.5	<1	<1	<1	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
MW-2	2/8/1990	20.5	<1	1.1	<10	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
MW-3	2/7/1990	10	12	4.4	<10	--	<0.0050	<0.1	<0.1	0.11	--	--	--	--	--	--	--	--	--	
MW-3	2/7/1990	15.5	230	200	1,800	--	1.1	0.7	3.1	1.9	--	--	--	--	--	--	--	--	--	
MW-3	2/7/1990	20.5	28	9.9	<10	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
MW-4	2/7/1990	10.5	<1	1.2	<1	--	<0.0050	<0.1	<0.1	<0.1	--	--	--	--	--	--	--	--	--	
MW-4	2/7/1990	15.5	140	61	6,400	--	0.31	0.34	0.92	2.60	--	--	--	--	--	--	--	--	--	
MW-4	2/7/1990	20.5	72	2,200	46,000	--	0.06	<0.1	0.46	0.57	--	--	--	--	--	--	--	--	--	
<i>1991 Soil Boring and Well Installation</i>																				
MW-5	8/24/1991	6	<1	<1.2	<12	--	<0.0050	0.005	<0.00	<0.0050	--	--	--	--	--	--	--	--	--	
MW-5	8/24/1991	16	23 ^a	7 ^c	13	--	<0.0050	<0.0050	0.02	0.1	--	--	--	--	--	--	--	--	--	
MW-5	8/24/1991	21	<1	<1.2	<12	--	<0.0050	<0.0050	<0.00	<0.0050	--	--	--	--	--	--	--	--	--	

Table 2. Historical Soil Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	Depth (fbg)	TPH			Oil and			Ethyl- benzene	Total									
			TPHg	TPHd	TPHmo	Grease	Benzene	Toluene		Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Lead
<i>1993 Soil Boring and Well Installation</i>																			
BH-A	9/9/1993	6	<1	--	--	--	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-A	9/9/1993	11	28^a	11^c	--	<50	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-A	9/9/1993	16	130	27^c	--	<50	<0.025	<0.0025	1.4	0.51	--	--	--	--	--	--	--	--	--
BH-B	9/9/1993	11	<1	--	--	--	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-B	9/9/1993	15.7	<1	<1	--	<50	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-C	9/10/1993	10.7	<1	--	--	--	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-C	9/10/1993	15.7	580^a	4,900^c	--	930	<0.125	<0.125	<0.12	<0.125	--	--	--	--	--	--	--	--	--
BH-C	9/10/1993	20.7	<1	--	--	--	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-D	9/10/1993	10.7	6.8^a	8.9^c	--	<50	<0.0025	<0.002	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-D	9/10/1993	15.7	150	55	--	69	0.42	<0.0025	<0.02	<0.025	--	--	--	--	--	--	--	--	--
BH-D	9/10/1993	20.7	5.6	2.9^c	--	<50	<0.0025	0.007	0.01	<0.0025	--	--	--	--	--	--	--	--	--
BH-E (MW-6)	9/10/1993	10.7	<1	--	--	--	<0.0025	<0.0025	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
BH-E (MW-6)	9/10/1993	15.7	<1	3.5^c	--	<50	<0.0025	<0.0025	<0.00	<0.0025	--	--	--	--	--	--	--	--	--
<i>1998 Dispenser and Piping Upgrade Soil Sampling</i>																			
Disp-A-2.0'	2/12/1998	2.0	3.2	--	--	--	0.016	0.045	< 0.0050	0.0072	< 0.10	--	--	--	--	--	--	--	--
Disp-A-4.0'	2/12/1998	4.0	53	--	--	--	< 0.025	< 0.025	< 0.025	< 0.025	NA	--	--	--	--	--	--	--	--
Disp-B-2.0'	2/12/1998	2.0	1.2	--	--	--	< 0.0050	0.011	< 0.0050	< 0.0050	< 0.10	--	--	--	--	--	--	--	--
Disp-B-4.0'	2/12/1998	4.0	< 1.0	--	--	--	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	--	--	--	--	--	--	--	--
Disp-C-2.0'	2/12/1998	2.0	1,900	--	--	--	10	190	42	260	240	--	--	--	--	--	--	--	--

Table 2. Historical Soil Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	Depth (fbg)	TPHg	TPHd	TPHmo	Oil and Grease	Benzene	Toluene	Ethyl- benzene	Total Xylenes MTBE TBA DIPE ETBE TAME 1,2-DCA EDB Ethanol Lead (parts per million)											
										←	→	→	→	→	→	→	→	→	→	→	→
Disp-C-4.0'	2/12/1998	4.0	5,300	--	--	--	< 2.5	5.0	26	250	NA	--	--	--	--	--	--	--	--	--	
Disp-D-2.0'	2/12/1998	2.0	31	--	--	--	< 0.025	0.035	< 0.025	0.17	0.69	--	--	--	--	--	--	--	--	--	
Disp-D-4.0'	2/12/1998	4.0	6.3	--	--	--	0.011	0.013	< 0.010	< 0.010	0.13	--	--	--	--	--	--	--	--	--	
2004 Dispenser and Piping Upgrade Soil Sampling																					
D-1-5'	5/7/2004	5.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
D-2-5'	5/7/2004	5.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
D-3-5'	5/7/2004	5.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
D-4-5'	5/7/2004	5.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
P-1-4'	5/7/2004	4.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
P-2-4'	5/7/2004	4.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
P-3-4'	5/7/2004	4.0	17^a	--	--	--	<0.022	<0.022	<0.022	<0.022	<0.022	--	--	--	--	--	--	--	--	--	
P-4-4'	5/7/2004	4.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	
2005 Subsurface Investigation																					
SB-1-5.0	9/29/2005	5.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	0.015	<0.0050	0.090	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	0.53	--	--	
SB-1-9.5	9/29/2005	9.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	0.28	0.53	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	--	--	
SB-1-14.5	9/29/2005	14.5	7.3^a	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	0.035	0.053	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	--	--	
SB-1-19.5	9/29/2005	19.5	96^a	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	--	--	
SB-1-23.5	9/29/2005	23.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--	--	
SB-1-29.5	9/29/2005	29.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1 ^b	--	--	
SB-2-9.5	9/29/2005	9.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	--	--	
SB-2-14.5	9/29/2005	14.5	8.4^a	--	--	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.050	<0.025	<0.025	<0.025	<0.025	<0.50	--	--	

Table 2. Historical Soil Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	Depth (fbg)	TPH			Oil and			Benzene	Toluene	Ethyl- benzene	Total							Ethanol	Lead
			TPHg	TPHd	TPHmo	Grease	Xylenes	MTBE				TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	(parts per million)		
SB-2-19.5	9/29/2005	19.5	14 ^a	--	--	--	<0.024	<0.024	<0.024	<0.024	<0.024	<0.049	<0.049	<0.024	<0.024	<0.024	<0.024	<0.024	<0.49	--
SB-2-23.5	9/29/2005	23.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0087	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	--
SB-2-29.5	9/29/2005	29.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	--
SB-3-14.5	9/28/2005	14.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.32	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-3-17.0	9/28/2005	17.0	370 ^a	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<25	--
SB-3-20.5	9/28/2005	20.5	9.7 ^a	--	--	--	<0.023	<0.023	<0.023	<0.023	<0.023	0.30	<0.045	<0.023	<0.023	<0.023	<0.023	<0.023	<0.45	--
SB-6-9.5	9/28/2005	9.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-6-17.5	9/28/2005	17.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.013	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-7-9.5	9/28/2005	9.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-7-14.5	9/28/2005	14.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.041	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-7-17.0	9/28/2005	17.0	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-8-9.5	9/29/2005	9.5	<1.0	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	--
SB-8-14.5	9/29/2005	14.5	460 ^a	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<25	--
SB-8-19.5	9/29/2005	19.5	740 ^a	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<25	--
SB-8-22.0	9/29/2005	22.0	<50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<25	--

Notes and Abbreviations:

fbg = feet below grade

<x = Not detected at detection limit x

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B

MTBE = methyl tertiary butyl ether analyzed by EPA Method 8260B

TBA = tert-Butyl alcohol analyzed by EPA Method 8260B

DIPE = di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tert butyl ether analyzed by EPA Method 8260B

TAME = tert amyl methyl ether analyzed by EPA Method 8260B

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromomethane

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Table 2. Historical Soil Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	Depth (fbg)	TPHg	TPHd	TPHmo	Oil and			Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Lead
						Grease	Benzene	Toluene											

Ethanol by EPA Method 8260B

- a = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- b = Analyzed out of hold time.
- c = Not characteristic of standard diesel pattern

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Table 3. Historical Groundwater Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	TPHg	TPHd	Oil and Grease	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol
1993 Soil Boring and Well Installation																
BH-A	9/9/1993	4,900	2,900 ^c	<5,000	18	<5	54	11	--	--	--	--	--	--	--	--
BH-B	9/9/1993	<50	150	<5,000	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
BH-C	9/10/1993	640 ^d	100	<5,000	3.5	<0.5	0.6	<0.5	--	--	--	--	--	--	--	--
BH-D	9/10/1993	24,000 ^b	25,000 ^c	20,000	720	86	44	11	--	--	--	--	--	--	--	--
2005 Subsurface Investigation																
SB-3-W	9/28/2005	2,700	--	--	<0.50	<0.50	<0.50	<1.0	4.0	3400	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-6-W ^a	9/28/2005	71	--	--	<0.50	0.81	<0.50	<1.0	3.8	370	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-7-W	9/28/2005	<500	--	--	<0.50	<0.50	1.4	<1.0	1.3	65	<2.0	<2.0	<2.0	<0.50	2.9	<50
SB-1-W	9/29/2005	290	--	--	<0.50	0.86	0.63	2.2	4.0	5.4	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-2-W	9/29/2005	9,900	--	--	<20	<20	91	<40	110	<200	210	<80	<80	<20	<20	<2,000
SB-8-W	9/29/2005	43,000	--	--	170	<10	15	34	340	180	380	<40	<40	<10	<10	<5,000

Notes and Abbreviations:

--' = not analyzed

<x = Not detected at detection limit x

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B

MTBE = methyl tertiary butyl ether analyzed by EPA Method 8260B

TBA = tert-Butyl alcohol analyzed by EPA Method 8260B

DIPE = di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tert butyl ether analyzed by EPA Method 8260B

TAME = tert amyl methyl ether analyzed by EPA Method 8260B

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromomethane

Ethanol by EPA Method 8260B

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Table 3. Historical Groundwater Analytical Data - Shell-branded Service Station, 6039 College Avenue, Oakland, CA, Incident #98995745

Sample ID	Date	TPHg	TPHd	Oil and Grease	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol
		← (parts per billion) →														

a = Extracted out of hold time

b = Atypical gasoline pattern

c = Not characteristic of standard diesel pattern

ATTACHMENT A

Standard Field Procedures for Soil Borings

STANDARD FIELD PROCEDURES FOR GEOPROBE® SOIL AND GROUNDWATER SAMPLING

This document describes Cambria Environmental Technology, Inc.'s standard field methods for GeoProbe® soil and groundwater sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration, and
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy)

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech[®] or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Groundwater Sampling

Groundwater samples are collected from the open borehole using bailers, advancing disposable Tygon[®] tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

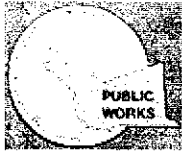
If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

F:\TEMPLATE\SOPS\GEOPROBE.DOC

ATTACHMENT B

Permits

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 09/19/2005 By jamesy
Permits Issued: W2005-0939

Receipt Number: WR2005-2121
Permits Valid from 09/28/2005 to 09/29/2005

Application Id: 1127154773098
Site Location: 6039 College Avenue, Oakland, CA 94618
Project Start Date: 09/28/2005

City of Project Site:Oakland

Completion Date:09/29/2005

Applicant: Cambria Environmental - Stewart A Dalie IV
5900 Hollis St, #A, Emeryville, CA 94608

Phone: 510-420-3339

Property Owner: Shell Oil Products
20945 S Wilmington, Carson, CA 90801

Phone: 707-805-0251

Client: ** same as Property Owner **

Total Due: \$200.00
Total Amount Paid: \$200.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes
Driller: Gregg Drilling & Testing - Lic #: 485156 - Method: other

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-0939	09/19/2005	12/27/2005	8	2.00 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Applicant shall contact George Bolton for a inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
4. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Job Site 6039 COLLEGE AV

Parcel# 014 -1268-001-00

Appl# OB050665

soil boring Block traffic per approved Traffic Control Plan Permit Issued 09/15/05
on Claremont Av [both sides of street; ONLY one side at a
time

6039 COLLEGE AV

Nbr of days: 2

Linear feet: 375

Effective: 09/28/05

Expiration: 09/29/05

SHORT TERM NON-METERED

Applcmt Phone# Lic# --License Classes--

Owner MONTROSE INVESTMENT CO INC

Contractor GREGG DRILLING & TESTING, INC. X (925)313-5800 485165 C57

Arch/Engr

Agent STU DALIE/CAMBRIA ENVIRO OK

Public Addr 950 HOWE RD, MARTINEZ, CA., 94553

\$566.87 TOTAL FEES PAID AT ISSUANCE
\$59.00 Applic \$435.00 Permit
\$.00 Process \$46.93 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$25.94 Tech Enh

JOB SITE

CITY OF OAKLAND

ADDRESS:
DIST:

Applicant: _____
Issued by: _____ *Q* _____ *n*

Job Site 6039 COLLEGE AV Parcel# 014 -1268-001-00 Appl# OB050666

soil boring Block traffic per approved Traffic Control Plan Permit Issued 09/15/05
on Claremont Av [both sides of street; ONLY one side at a
time Plus reserve meters on both sides

6039 COLLEGE AV

Nbr of days: 2
Effective: 09/28/05

Nbr of meters: 12
Expiration: 09/29/05

SHORT TERM METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner	MONTROSE INVESTMENT CO INC			
Contractor	GREGG DRILLING & TESTING, INC.	X (925)313-5800	485165	C57
Arch/Engr				
Agent	STU DALIE/CAMBRIA ENVIRO	OK		
Public Addr	950 HOWE RD, MARTINEZ, CA., 94553			

\$866.37 TOTAL FEES PAID AT ISSUANCE	
\$59.00 Applic.	\$696.00 Permit
\$.00 Process	\$71.73 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$39.64 Tech Enh

JOB SITE

CITY OF OAKLAND

DIST: ADDRESS:

Applicant: _____

Issued by: _____



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X0501042		SITE ADDRESS/LOCATION 6039 College Ave
APPROX. START DATE 9/28/05	APPROX. END DATE 9/29/05	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) 510 470 0700
CONTRACTOR'S LICENSE # AND CLASS C57 485-165		CITY BUSINESS TAX # 585032

ATTENTION:

- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____
- 48 hours prior to starting work, you **MUST CALL (510) 238-3651** to schedule an inspection.
- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

- I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).
- I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).
- I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).
- I am exempt under Sec. _____, B&PC for this reason _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # **BB1050261** Company Name **Seabright INS Co.**

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee <i>[Signature]</i>		Date 9/15/05	
<input checked="" type="checkbox"/> Agent for <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner			
DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
ISSUED BY <i>[Signature]</i>	DATE ISSUED <i>v</i>		

ATTACHMENT C

Soil Boring Logs



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-1
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	29-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	29-Sep-05
PROJECT NUMBER	247-0503-006	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Ron Barone	DEPTH TO WATER (First Encountered)	30.0 fbg (29-Sep-05) ▽
REVIEWED BY	Matt Derby, P.E. # 55475	DEPTH TO WATER (Static)	NA ▼
REMARKS	Hand Cleared to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5			ASPHALT	0.5	
				1.0			Gravel and SILT-FILL	1.0	
				5	ML		SILT (ML); dark brown; dry; 25% clay, 75% silt; low to medium plasticity.		
		SB-1-5.0		5					
				9.0				9.0	
				10			CLAY (CL); light brown with gray mottling; dry; 65% clay, 35% silt; medium plasticity.		
		SB-1-9.5		10					
				15			CLAY (CL); light brown with gray mottling; dry; 60% clay, 40% silt; low plasticity.		
		SB-1-14.5		15					
				20	CL		CLAY (CL); light gray; moist; 50% clay, 40% silt, 10% sand; low plasticity.		
		SB-1-19.5		20					
				25			Gravelly CLAY (CL); brown; dry; 40% clay, 25% silt, 10% sand, 35% gravel; no plasticity.		
		SB-1-23.5		25					
				26.5			Clayey SAND with gravel(SC); brown; moist; 15% clay, 10% silt, 50% sand, 25% gravel; no plasticity.	26.5	
				30	SC		Clayey SAND with gravel(SC); brown; moist to wet;	▽	
		SB-1-29.5		30					

WELL LOG (PID) G:\0A6C06-1\GINT\6039 COLLEGE OAKLAND GPJ DEFAULT.GDT 12/1/05

Continued Next Page



CLIENT NAME Shell Oil Products US BORING/WELL NAME SB-1
 JOB/SITE NAME Shell-branded Service Station DRILLING STARTED 29-Sep-05
 LOCATION 6039 College Avenue, Oakland DRILLING COMPLETED 29-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							20% clay, 5% silt, 50% sand, 25% gravel; no plasticity.	31.0	
					GC		Clayey GRAVEL (GC) ; brown; wet; 10% clay, 25% sand, 65% gravel; no plasticity.	33.0	
					SC		Clayey SAND with gravel(SC) ; brown; moist; 20% clay, 5% silt, 50% sand, 25% gravel; no plasticity.	35.0	
				35			Notes: Grab groundwater sample (SB-1-W) collected from a temporary well casing screened 30-35 fbg.		Bottom of Boring @ 35 fbg



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-2
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	29-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	29-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							NO RECOVERY		
				35				35.0	
					CH		CLAY (CH) ; brown; dry to moist; 80% clay, 10% silt, 10% sands; medium to high plasticity.		
				40				39.0	
					CL		Gravelly CLAY (CL) ; brown; dry to moist; 55% clay, 10% silt; 10% sand, 25% gravel; low plasticity.		
				45					
					CL		Gravelly CLAY (CL) ; brown; dry to moist; 50% clay, 15% silt; 10% sand, 25% gravel; low plasticity.		
				50				50.0	
							Notes: Grab groundwater sample (SB-2-W) collected from a temporary well casing screened 30-35 fbg.		
									Bottom of Boring @ 50 fbg

WELL LOG (PID) G:\OAGCC6-1\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/7/05



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-3
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	28-Sep-05
PROJECT NUMBER	247-0503-006	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Ron Barone	DEPTH TO WATER (First Encountered)	25.0 fbg (28-Sep-05)
REVIEWED BY	Matt Derby, P.E. # 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand Cleared to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.3			Gravel Surface FILL.	0.3	
				5	ML		SILT (ML); brown; dry; 5% clay, 85% silt; 10% sand; low plasticity.		
				7.5			SILT (ML); brown; dry; 10% clay, 70% silt; 10% sand, 10% gravel; no plasticity.	7.5	
				10			CLAY (CL); brown with gray mottling; dry; 85% clay, 15% silt; medium plasticity.		
		SB-3-9.5		10			CLAY (CL); brown with gray mottling; dry; 85% clay, 15% silt; medium plasticity.		
				15			CLAY (CL); brown with gray mottling; dry; 85% clay, 15% silt; medium plasticity.		
		SB-3-14.5		15	CL		CLAY (CL); brown with gray mottling; dry; 85% clay, 15% silt; medium plasticity.		
				20			CLAY (CL); greenish gray; dry; 80% clay, 20% silt; medium plasticity.		
		SB-3-17.0		20			CLAY (CL); greenish gray; dry; 80% clay, 20% silt; medium plasticity.		
				25			CLAY (CL); greenish gray; dry; 80% clay, 20% silt; low to medium plasticity.		
		SB-3-20.5		25			CLAY (CL); greenish gray; dry; 80% clay, 20% silt; low to medium plasticity.		
				25.0			CLAY (CL); brown with gray mottling; dry; 70% clay, 30% silt; low plasticity.	25.0	
				25.0			SILT with gravels (ML); gray; wet; 25% clay, 65% silt, 5% sand, 10% gravel; low plasticity.		
				30	ML		Sandy SILT with gravel (ML); light brown; moist; 5% clay, 55% silt, 20% sand, 20% gravel; no plasticity.		

← Portland Type I/II

WELL LOG (PID) G:\OAGC06-1\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/1/05

Continued Next Page



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-3
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	28-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					GC		<u>Clayey GRAVEL with sand</u> (GC); greenish brown; wet; 15% clay, 15% silt, 15% sand, 60% gravels; no plasticity.	32.0	
					GM		<u>Silty GRAVEL with sand</u> (GM); brownish gray; dry; 5% clay, 30% silt, 15% sand, 50% gravel; no plasticity.	34.0	
				35				35.0	
							Notes: Grab groundwater sample (SB-3-W) collected from a temporary well casing screened 25-30 fbg.		Bottom of Boring @ 35 fbg

WELL LOG (PID) G:\OAC6C6-1\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/1/05



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-6
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	28-Sep-05
PROJECT NUMBER	247-0503-006	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Ron Barone	DEPTH TO WATER (First Encountered)	20.0 fbg (28-Sep-05)
REVIEWED BY	Matt Derby, P.E. # 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand Cleared to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5			ASPHALT Silts and Cobbles- FILL	0.5	
				2.0			SILT (ML) ; brown; dry; 10% clay, 85% silt, 5% sand; low to medium plasticity.	2.0	
				5.0	ML			5.0	
				5.0			CLAY (CL) ; dark brown; dry; 70% clay, 25% silt, 5% sand; medium plasticity.		
		SB-6-9.5		10.0	CL		CLAY (CL) ; brown; dry; 70% clay, 30% silt; medium plasticity.		
				15.0					
		SB-6-17.5		17.0	GC		Clayey GRAVEL with sand (GC) ; gray; wet; 10% clay, 10% silt, 25% sand, 55% gravel; no plasticity.	17.0	
				19.0			Silty SAND (SM) ; light brown; moist to wet; 5% clay, 20% silt, 70% sand; no plasticity.	19.0	
				20.0	SM			20.0	
				22.0			CLAY (CL) ; light brown with gray mottling; moist; 80% clay, 20% silt; medium plasticity.	22.0	
				25.0	CL				
				30.0			CLAY with sand (CL) ; brown; dry to moist; 70% clay, 10% silt, 15% sand, 5% gravel; low to medium plasticity.	30.0	

WELL LOG (PID) G:\OAGC06-1\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/1/05

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Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-6
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	28-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		NO RECOVERY			GC		Clayey GRAVEL with sand(GC); grayish brown; wet; 30% clay, 15% sand, 70% gravel; no plasticity.	33.0	
					CL		CLAY (CL); brown; moist; 80% clay, 15% silt, 5% sand; medium plasticity.	35.0	
				35			Notes: Grab groundwater sample (SB-6-W) collected from a temporary well casing screened 20-25 fbg.		Bottom of Boring @ 35 fbg

WELL LOG (PID) G:\OASCC08-1\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/1/05



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-7
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	29-Sep-05
PROJECT NUMBER	247-0503-006	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Ron Barone	DEPTH TO WATER (First Encountered)	20.0 fbg (28-Sep-05)
REVIEWED BY	Matt Derby, P.E. # 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand Cleared to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5			ASPHALT	0.5	
				1.0			Gravelly SILT- FILL	1.0	
				5	ML		SILT (ML) ; dark brown; dry; 15% clay, 80% silt, 5% sand; low to medium plasticity.		
				6.5			CLAY (CL) ; brown; dry; 75% clay, 20% silt, 5% gravel; medium plasticity.		
		SB-7- 9.5		10			CLAY (CL) ; brown; dry; 75% clay, 20% silt, 5% gravel; medium plasticity.		
				15			CLAY (CL) ; brown with gray mottling; dry; 75% clay, 20% silt, 5% sand; medium plasticity.		
		SB-7- 14.5		15					
				20	CL		CLAY with sand(SC) ; brown with gray mottling; moist; 75% clay, 10% silt, 15% sand; medium plasticity.		
		SB-7- 17.0		20			CLAY (CL) ; brown; moist to wet; 70% clay, 25% silt, 5% sand; medium plasticity.		
				25			CLAY with sand(CL) ; brown; moist; 65% clay, 20% silt, 15% sand; low to medium plasticity.		
				26.5			Clayey SAND with gravel(SC) ; brown with red mottling; moist; 15% clay, 60% sand, 25% gravel; no plasticity.		
				30	SC				

WELL LOG (PID) G:\O\46CC6-11GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/7/05

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Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-7
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	28-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	29-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM	
		NO RECOVERY			CL		CLAY with Sand (CL) ; brown; wet; 75% clay, 25% sand; medium plasticity.	32.0		
					SC		Clayey SAND with gravel (SC) ; brown; wet; 15% clay, 60% sand, 25% gravels; no plasticity.	34.0		
				35	CL		CLAY (CL) ; brown; moist; 75% clay, 20% silt, 5% gravel; low to medium plasticity. NO RECOVERY	35.0		
				40	CH		CLAY (CH) ; brown; dry to moist; 90% clay, 10% silt; medium to high plasticity.	40.0		
				45				45.0		
							Notes: Grab groundwater sample (SB-7-W) collected from a temporary well casing screened 20-25 fbg.			

WELL LOG (PID) G:\OIA6CC6-1\GIN\16039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 12/7/05

Bottom of Boring @ 45 fbg



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-8
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	29-Sep-05
LOCATION	6039 College Avenue, Oakland	DRILLING COMPLETED	29-Sep-05
PROJECT NUMBER	247-0503-006	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Ron Barone	DEPTH TO WATER (First Encountered)	20.0 fbg (29-Sep-05)
REVIEWED BY	Matt Derby, P.E. # 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand Cleared to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.7			ASPHALT	0.7	
				1.0			SILT with gravel- FILL SILT (ML); brown; dry; 5% clay, 85% silt, 10% gravel; no plasticity.	1.0	
				5	ML		SILT (ML); dark brown; dry; 15% clay, 75% silt, 10% gravel; no plasticity.		
		SB-8-9.5		10			CLAY (CL); brown; dry; 50% clay, 50% silt; no plasticity.	9.0	
		SB-8-14.5		15	CL		CLAY (CL); gray; dry to moist; 65% clay, 35% silt; low plasticity.		
		SB-8-18.5		20			CLAY (CL); greenish gray; moist; 70% clay, 30% silt; medium plasticity.		
		SB-8-22		25			CLAY (CL); greenish gray; moist; 65% clay, 35% silt; medium plasticity.		
				26.0			Gravelly SILT with sand ML; reddish brown; moist; 10% clay, 50% silt, 20% sand, 25% gravel; no plasticity.	26.0	
				30	ML				

WELL LOG (PID) G:\0A6CC6-1GINT\6039 COLLEGE OAKLAND.CPJ DEFAULT.GDT 12/1/05

Continued Next Page

ATTACHMENT D

Laboratory Analytical Reports

Cambria Environmental Emeryville

October 18, 2005

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: David Gibbs

Project#: 247-0503-006

Project: 98995745

Site: 6039 College Ave, Oakland, CA

Attached is our report for your samples received on 09/29/2005 15:40

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/13/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-6-9.5	09/28/2005 09:50	Soil	1
SB-6-17.5	09/28/2005 10:05	Soil	2
SB-7-9.5	09/28/2005 12:52	Soil	4
SB-7-14.5	09/28/2005 12:58	Soil	5
SB-7-17.0	09/28/2005 13:10	Soil	6
SB-3-9.5	09/28/2005 15:21	Soil	8
SB-3-14.5	09/28/2005 15:30	Soil	9
SB-3-20.5	09/28/2005 15:41	Soil	11

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-6-9.5	Lab ID: 2005-10-0016 - 1
Sampled: 09/28/2005 09:50	Extracted: 10/3/2005 23:36
Matrix: Soil	QC Batch#: 2005/10/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/03/2005 23:36	
Benzene	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
Toluene	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/03/2005 23:36	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/03/2005 23:36	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
EDB	ND	0.0050	mg/Kg	1.00	10/03/2005 23:36	
Ethanol	ND	0.1	mg/Kg	1.00	10/03/2005 23:36	
Surrogate(s)						
1,2-Dichloroethane-d4	94.9	76-124	%	1.00	10/03/2005 23:36	
Toluene-d8	100.7	75-116	%	1.00	10/03/2005 23:36	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-6-17.5	Lab ID: 2005-10-0016 - 2
Sampled: 09/28/2005 10:05	Extracted: 10/4/2005 00:28
Matrix: Soil	QC Batch#: 2005/10/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 00:28	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
tert-Butyl alcohol (TBA)	0.013	0.010	mg/Kg	1.00	10/04/2005 00:28	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 00:28	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 00:28	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 00:28	
Surrogate(s)						
1,2-Dichloroethane-d4	93.8	76-124	%	1.00	10/04/2005 00:28	
Toluene-d8	98.5	75-116	%	1.00	10/04/2005 00:28	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/10/2005 19:36

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-7-9.5	Lab ID: 2005-10-0016 - 4
Sampled: 09/28/2005 12:52	Extracted: 10/4/2005 14:18
Matrix: Soil	QC Batch#: 2005/10/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 14:18	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/04/2005 14:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 14:18	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 14:18	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 14:18	
Surrogate(s)						
1,2-Dichloroethane-d4	92.2	76-124	%	1.00	10/04/2005 14:18	
Toluene-d8	94.7	75-116	%	1.00	10/04/2005 14:18	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-14.5	Lab ID:	2005-10-0016 - 5
Sampled:	09/28/2005 12:58	Extracted:	10/4/2005 14:45
Matrix:	Soil	QC Batch#:	2005/10/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 14:45	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
tert-Butyl alcohol (TBA)	0.041	0.010	mg/Kg	1.00	10/04/2005 14:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 14:45	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 14:45	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 14:45	
Surrogate(s)						
1,2-Dichloroethane-d4	88.1	76-124	%	1.00	10/04/2005 14:45	
Toluene-d8	98.5	75-116	%	1.00	10/04/2005 14:45	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-7-17.0	Lab ID: 2005-10-0016 - 6
Sampled: 09/28/2005 13:10	Extracted: 10/4/2005 15:37
Matrix: Soil	QC Batch#: 2005/10/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 15:37	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/04/2005 15:37	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 15:37	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 15:37	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 15:37	
Surrogate(s)						
1,2-Dichloroethane-d4	97.6	76-124	%	1.00	10/04/2005 15:37	
Toluene-d8	99.3	75-116	%	1.00	10/04/2005 15:37	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/10/2005 19:36

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-3-9.5	Lab ID:	2005-10-0016 - 8
Sampled:	09/28/2005 15:21	Extracted:	10/4/2005 15:11
Matrix:	Soil	QC Batch#:	2005/10/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 15:11	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/04/2005 15:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 15:11	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 15:11	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 15:11	
Surrogate(s)						
1,2-Dichloroethane-d4	111.8	76-124	%	1.00	10/04/2005 15:11	
Toluene-d8	100.8	75-116	%	1.00	10/04/2005 15:11	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-3-14.5	Lab ID: 2005-10-0016 - 9
Sampled: 09/28/2005 15:30	Extracted: 10/4/2005 16:03
Matrix: Soil	QC Batch#: 2005/10/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 16:03	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
tert-Butyl alcohol (TBA)	0.32	0.010	mg/Kg	1.00	10/04/2005 16:03	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2005 16:03	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2005 16:03	
Ethanol	ND	0.1	mg/Kg	1.00	10/04/2005 16:03	
Surrogate(s)						
1,2-Dichloroethane-d4	97.5	76-124	%	1.00	10/04/2005 16:03	
Toluene-d8	101.0	75-116	%	1.00	10/04/2005 16:03	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-3-20.5	Lab ID: 2005-10-0016 - 11
Sampled: 09/28/2005 15:41	Extracted: 10/5/2005 04:21
Matrix: Soil	QC Batch#: 2005/10/04-2A.62
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	9.7	4.5	mg/Kg	4.50	10/05/2005 04:21	Q1
Benzene	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
Toluene	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
Ethyl benzene	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
Total xylenes	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
tert-Butyl alcohol (TBA)	0.30	0.045	mg/Kg	4.50	10/05/2005 04:21	
Methyl tert-butyl ether (MTBE)	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
Di-isopropyl Ether (DIPE)	ND	0.045	mg/Kg	4.50	10/05/2005 04:21	
Ethyl tert-butyl ether (ETBE)	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
tert-Amyl methyl ether (TAME)	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
1,2-DCA	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
EDB	ND	0.023	mg/Kg	4.50	10/05/2005 04:21	
Ethanol	ND	0.45	mg/Kg	4.50	10/05/2005 04:21	
Surrogate(s)						
1,2-Dichloroethane-d4	92.5	76-124	%	4.50	10/05/2005 04:21	
Toluene-d8	101.0	75-116	%	4.50	10/05/2005 04:21	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

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10/10/2005 19:36

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/10/03-2A.62

MB: 2005/10/03-2A.62-014

Date Extracted: 10/03/2005 19:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/03/2005 19:14	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/03/2005 19:14	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/03/2005 19:14	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/03/2005 19:14	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/03/2005 19:14	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/03/2005 19:14	
1,2-DCA	ND	0.0050	mg/Kg	10/03/2005 19:14	
EDB	ND	0.0050	mg/Kg	10/03/2005 19:14	
Benzene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Toluene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Ethyl benzene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Total xylenes	ND	0.0050	mg/Kg	10/03/2005 19:14	
Ethanol	ND	0.10	mg/Kg	10/03/2005 19:14	
Surrogates(s)					
1,2-Dichloroethane-d4	85.6	76-124	%	10/03/2005 19:14	
Toluene-d8	98.2	75-116	%	10/03/2005 19:14	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/10/04-1A.62

MB: 2005/10/04-1A.62-000

Date Extracted: 10/04/2005 09:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/04/2005 09:00	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/04/2005 09:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/04/2005 09:00	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/04/2005 09:00	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/04/2005 09:00	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/04/2005 09:00	
1,2-DCA	ND	0.0050	mg/Kg	10/04/2005 09:00	
EDB	ND	0.0050	mg/Kg	10/04/2005 09:00	
Benzene	ND	0.0050	mg/Kg	10/04/2005 09:00	
Toluene	ND	0.0050	mg/Kg	10/04/2005 09:00	
Ethyl benzene	ND	0.0050	mg/Kg	10/04/2005 09:00	
Total xylenes	ND	0.0050	mg/Kg	10/04/2005 09:00	
Ethanol	ND	0.10	mg/Kg	10/04/2005 09:00	
Surrogates(s)					
1,2-Dichloroethane-d4	93.2	76-124	%	10/04/2005 09:00	
Toluene-d8	96.0	75-116	%	10/04/2005 09:00	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/10/2005 19:36

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/10/04-2A.62

MB: 2005/10/04-2A.62-022

Date Extracted: 10/04/2005 19:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/04/2005 19:22	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/04/2005 19:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/04/2005 19:22	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/04/2005 19:22	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/04/2005 19:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/04/2005 19:22	
1,2-DCA	ND	0.0050	mg/Kg	10/04/2005 19:22	
EDB	ND	0.0050	mg/Kg	10/04/2005 19:22	
Benzene	ND	0.0050	mg/Kg	10/04/2005 19:22	
Toluene	ND	0.0050	mg/Kg	10/04/2005 19:22	
Ethyl benzene	ND	0.0050	mg/Kg	10/04/2005 19:22	
Total xylenes	ND	0.0050	mg/Kg	10/04/2005 19:22	
Ethanol	ND	0.10	mg/Kg	10/04/2005 19:22	
Surrogates(s)					
1,2-Dichloroethane-d4	86.8	76-124	%	10/04/2005 19:22	
Toluene-d8	98.6	75-116	%	10/04/2005 19:22	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville
Attn.: David Gibbs

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/10/03-2A.62

LCS 2005/10/03-2A.62-048
LCSD

Extracted: 10/03/2005

Analyzed: 10/03/2005 18:48

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0461		0.049603	92.9			65-165	20		
Benzene	0.0481		0.049603	97.0			69-129	20		
Toluene	0.0497		0.049603	100.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	409		500	81.8			76-124			
Toluene-d8	499		500	99.8			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/10/04-1A.62

LCS 2005/10/04-1A.62-034

Extracted: 10/04/2005

Analyzed: 10/04/2005 08:34

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0424		0.05	84.8			65-165	20		
Benzene	0.0511		0.05	102.2			69-129	20		
Toluene	0.0513		0.05	102.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	400		500	80.0			76-124			
Toluene-d8	499		500	99.8			75-116			

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10/10/2005 19:36

Page 14 of 19

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/10/04-2A.62

LCS 2005/10/04-2A.62-020

Extracted: 10/04/2005

Analyzed: 10/04/2005 18:20

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0522		0.05	104.4			65-165	20		
Benzene	0.0553		0.05	110.6			69-129	20		
Toluene	0.0586		0.05	113.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	410		500	82.0			76-124			
Toluene-d8	487		500	97.4			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/10/03-2A.62

SB-6-9.5 >> MS

Lab ID: 2005-10-0016 - 001

MS: 2005/10/03-2A.62-044

Extracted: 10/03/2005

Analyzed: 10/03/2005 22:44

Dilution: 1.00

MSD: 2005/10/03-2A.62-010

Extracted: 10/03/2005

Analyzed: 10/03/2005 23:10

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0453	0.0397	ND	0.05	90.6	80.0	12.4	65-165	20		
Benzene	0.0490	0.0454	ND	0.05	98.0	91.5	6.9	69-129	20		
Toluene	0.0496	0.0446	ND	0.05	99.2	89.9	9.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	412	410		500	82.4	82.0		76-124			
Toluene-d8	501	485		500	100.2	97.0		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/10/04-1A.62

MS/MSD

Lab ID: 2005-09-0752 - 009

MS: 2005/10/04-1A.62-016

Extracted: 10/04/2005

Analyzed: 10/04/2005 11:16

Dilution: 1.00

MSD: 2005/10/04-1A.62-042

Extracted: 10/04/2005

Analyzed: 10/04/2005 11:42

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0342	0.00135	ND	0.049019	69.8	2.7	185.	65-165	20		M5,R1
Benzene	0.0415	0.00147	ND	0.049019	84.7	3.0	186.	69-129	20		M5,R1
Toluene	0.0388	0.00151	ND	0.049019	79.2	3.1	184.	70-130	20		M5,R1
Surrogate(s)											
1,2-Dichloroethane-d4	391	448		500	78.2	89.6		76-124			
Toluene-d8	486	476		500	97.2	95.2		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/10/04-2A.62

MS/MSD

Lab ID: 2005-09-0669 - 012

MS: 2005/10/04-2A.62-029

Extracted: 10/04/2005

Analyzed: 10/04/2005 20:29

Dilution: 1.00

MSD: 2005/10/04-2A.62-055

Extracted: 10/04/2005

Analyzed: 10/04/2005 20:55

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0483	0.0455	ND	0.049212	98.1	92.6	5.8	65-165	20		
Benzene	0.0469	0.0448	ND	0.049212	95.3	91.2	4.4	69-129	20		
Toluene	0.0466	0.0441	ND	0.049212	94.7	89.8	5.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	436	450		500	87.2	90.0		76-124			
Toluene-d8	487	492		500	97.4	98.4		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-3-17.0	09/28/2005 15:32	Soil	10

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-3-17.0	Lab ID: 2005-10-0016 - 10
Sampled: 09/28/2005 15:32	Extracted: 10/7/2005 21:03
Matrix: Soil	QC Batch#: 2005/10/04-3B.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	370	50	mg/Kg	1.00	10/07/2005 21:03	Q1
Benzene	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
Toluene	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
Total xylenes	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/07/2005 21:03	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/07/2005 21:03	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
EDB	ND	0.50	mg/Kg	1.00	10/07/2005 21:03	
Ethanol	ND	25	mg/Kg	1.00	10/07/2005 21:03	
Surrogate(s)						
1,2-Dichloroethane-d4	70.9	53-129	%	1.00	10/07/2005 21:03	
Toluene-d8	101.7	47-136	%	1.00	10/07/2005 21:03	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/10/04-3B.69

MB: 2005/10/04-3B.69-018

Date Extracted: 10/07/2005 19:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	10/07/2005 19:18	
Benzene	ND	0.50	mg/Kg	10/07/2005 19:18	
Toluene	ND	0.50	mg/Kg	10/07/2005 19:18	
Ethyl benzene	ND	0.50	mg/Kg	10/07/2005 19:18	
Total xylenes	ND	0.50	mg/Kg	10/07/2005 19:18	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	10/07/2005 19:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/07/2005 19:18	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	10/07/2005 19:18	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	10/07/2005 19:18	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	10/07/2005 19:18	
1,2-DCA	ND	0.50	mg/Kg	10/07/2005 19:18	
EDB	ND	0.50	mg/Kg	10/07/2005 19:18	
Ethanol	ND	25	mg/Kg	10/07/2005 19:18	
Surrogates(s)					
1,2-Dichloroethane-d4	75.2	53-129	%	10/07/2005 19:18	
Toluene-d8	98.4	47-136	%	10/07/2005 19:18	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/10/04-3B.69

LCS 2005/10/04-3B.69-024

Extracted: 10/06/2005

Analyzed: 10/06/2005 21:24

LCSD 2005/10/04-3B.69-045

Extracted: 10/06/2005

Analyzed: 10/06/2005 21:45

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.27	9.20	10	92.7	92.0	0.8	69-129	20		
Toluene	9.62	9.71	10	96.2	97.1	0.9	70-130	20		
Methyl tert-butyl ether (MTBE)	10.2	10.2	10	102.0	102.0	0.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	223	219	250	89.2	87.6		53-129			
Toluene-d8	234	226	250	93.6	90.4		47-136			

Severn Trent Laboratories, Inc.

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10/10/2005 19:37

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-6-W	09/28/2005 10:20	Water	3
SB-7-W	09/28/2005 13:22	Water	7
SB-3-W	09/28/2005 15:52	Water	12

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-7-W	Lab ID: 2005-10-0016 - 7
Sampled: 09/28/2005 13:22	Extracted: 10/8/2005 20:40 10/10/2005 23:11
Matrix: Water	QC Batch#: 2005/10/08-1A.62 2005/10/10-2A.64

Analysis Flag: L1, pH: 4 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	500	ug/L	10.00	10/10/2005 23:11	
Benzene	ND	0.50	ug/L	1.00	10/08/2005 20:40	
Toluene	ND	0.50	ug/L	1.00	10/08/2005 20:40	
Ethylbenzene	1.4	0.50	ug/L	1.00	10/08/2005 20:40	
Total xylenes	ND	1.0	ug/L	1.00	10/08/2005 20:40	
tert-Butyl alcohol (TBA)	65	5.0	ug/L	1.00	10/08/2005 20:40	
Methyl tert-butyl ether (MTBE)	1.3	0.50	ug/L	1.00	10/08/2005 20:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/08/2005 20:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/08/2005 20:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/08/2005 20:40	
1,2-DCA	ND	0.50	ug/L	1.00	10/08/2005 20:40	
EDB	2.9	0.50	ug/L	1.00	10/08/2005 20:40	
Ethanol	ND	50	ug/L	1.00	10/08/2005 20:40	
Surrogate(s)						
1,2-Dichloroethane-d4	101.5	73-130	%	10.00	10/10/2005 23:11	
1,2-Dichloroethane-d4	87.1	73-130	%	1.00	10/08/2005 20:40	
Toluene-d8	110.3	81-114	%	10.00	10/10/2005 23:11	
Toluene-d8	110.5	81-114	%	1.00	10/08/2005 20:40	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-3-W	Lab ID: 2005-10-0016 - 12
Sampled: 09/28/2005 15:52	Extracted: 10/8/2005 01:37 10/8/2005 16:30
Matrix: Water	QC Batch#: 2005/10/07-2A.69 2005/10/08-1A.71

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	2700	50	ug/L	1.00	10/08/2005 01:37	
Benzene	ND	0.50	ug/L	1.00	10/08/2005 01:37	
Toluene	ND	0.50	ug/L	1.00	10/08/2005 01:37	
Ethylbenzene	ND	0.50	ug/L	1.00	10/08/2005 01:37	
Total xylenes	ND	1.0	ug/L	1.00	10/08/2005 01:37	
tert-Butyl alcohol (TBA)	3400	25	ug/L	5.00	10/08/2005 16:30	
Methyl tert-butyl ether (MTBE)	4.0	0.50	ug/L	1.00	10/08/2005 01:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/08/2005 01:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/08/2005 01:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/08/2005 01:37	
1,2-DCA	ND	0.50	ug/L	1.00	10/08/2005 01:37	
EDB	ND	0.50	ug/L	1.00	10/08/2005 01:37	
Ethanol	ND	50	ug/L	1.00	10/08/2005 01:37	
Surrogate(s)						
1,2-Dichloroethane-d4	94.5	73-130	%	1.00	10/08/2005 01:37	
1,2-Dichloroethane-d4	89.0	73-130	%	5.00	10/08/2005 16:30	
Toluene-d8	101.1	81-114	%	1.00	10/08/2005 01:37	
Toluene-d8	91.2	81-114	%	5.00	10/08/2005 16:30	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/07-2A.69-010

Water

Test(s): 8260B

QC Batch # 2005/10/07-2A.69

Date Extracted: 10/07/2005 20:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/07/2005 20:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/07/2005 20:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/07/2005 20:10	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/07/2005 20:10	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/07/2005 20:10	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/07/2005 20:10	
1,2-DCA	ND	0.5	ug/L	10/07/2005 20:10	
EDB	ND	0.5	ug/L	10/07/2005 20:10	
Benzene	ND	0.5	ug/L	10/07/2005 20:10	
Toluene	ND	0.5	ug/L	10/07/2005 20:10	
Ethylbenzene	ND	0.5	ug/L	10/07/2005 20:10	
Total xylenes	ND	1.0	ug/L	10/07/2005 20:10	
Ethanol	ND	50	ug/L	10/07/2005 20:10	
Surrogates(s)					
1,2-Dichloroethane-d4	92.8	73-130	%	10/07/2005 20:10	
Toluene-d8	94.8	81-114	%	10/07/2005 20:10	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/08-1A.62-013

Water

Test(s): 8260B

QC Batch # 2005/10/08-1A.62

Date Extracted: 10/08/2005 11:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/08/2005 11:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/08/2005 11:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/08/2005 11:13	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/08/2005 11:13	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/08/2005 11:13	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/08/2005 11:13	
1,2-DCA	ND	0.5	ug/L	10/08/2005 11:13	
EDB	ND	0.5	ug/L	10/08/2005 11:13	
Benzene	ND	0.5	ug/L	10/08/2005 11:13	
Toluene	ND	0.5	ug/L	10/08/2005 11:13	
Ethylbenzene	ND	0.5	ug/L	10/08/2005 11:13	
Total xylenes	ND	1.0	ug/L	10/08/2005 11:13	
Ethanol	ND	50	ug/L	10/08/2005 11:13	
Surrogates(s)					
1,2-Dichloroethane-d4	83.8	73-130	%	10/08/2005 11:13	
Toluene-d8	98.2	81-114	%	10/08/2005 11:13	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville
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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/10/08-1A.71

MB: 2005/10/08-1A.71-033

Date Extracted: 10/08/2005 11:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/08/2005 11:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/08/2005 11:33	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/08/2005 11:33	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/08/2005 11:33	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/08/2005 11:33	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/08/2005 11:33	
1,2-DCA	ND	0.5	ug/L	10/08/2005 11:33	
EDB	ND	0.5	ug/L	10/08/2005 11:33	
Benzene	ND	0.5	ug/L	10/08/2005 11:33	
Toluene	ND	0.5	ug/L	10/08/2005 11:33	
Ethylbenzene	ND	0.5	ug/L	10/08/2005 11:33	
Total xylenes	ND	1.0	ug/L	10/08/2005 11:33	
Ethanol	ND	50	ug/L	10/08/2005 11:33	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	73-130	%	10/08/2005 11:33	
Toluene-d8	105.4	81-114	%	10/08/2005 11:33	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/10/10-2A.64

MB: 2005/10/10-2A.64-004

Date Extracted: 10/10/2005 18:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/10/2005 18:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/10/2005 18:04	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/10/2005 18:04	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/10/2005 18:04	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/10/2005 18:04	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/10/2005 18:04	
1,2-DCA	ND	0.5	ug/L	10/10/2005 18:04	
EDB	ND	0.5	ug/L	10/10/2005 18:04	
Benzene	ND	0.5	ug/L	10/10/2005 18:04	
Toluene	ND	0.5	ug/L	10/10/2005 18:04	
Ethylbenzene	ND	0.5	ug/L	10/10/2005 18:04	
Total xylenes	ND	1.0	ug/L	10/10/2005 18:04	
Ethanol	ND	50	ug/L	10/10/2005 18:04	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	73-130	%	10/10/2005 18:04	
Toluene-d8	108.8	81-114	%	10/10/2005 18:04	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/10/14-1B.65

MB: 2005/10/14-1B.65-002

Date Extracted: 10/14/2005 09:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/14/2005 09:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/14/2005 09:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/14/2005 09:02	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/14/2005 09:02	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/14/2005 09:02	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/14/2005 09:02	
1,2-DCA	ND	0.5	ug/L	10/14/2005 09:02	
EDB	ND	0.5	ug/L	10/14/2005 09:02	
Benzene	ND	0.5	ug/L	10/14/2005 09:02	
Toluene	ND	0.5	ug/L	10/14/2005 09:02	
Ethylbenzene	ND	0.5	ug/L	10/14/2005 09:02	
Total xylenes	ND	1.0	ug/L	10/14/2005 09:02	
Ethanol	ND	50	ug/L	10/14/2005 09:02	
Surrogates(s)					
1,2-Dichloroethane-d4	82.8	73-130	%	10/14/2005 09:02	
Toluene-d8	93.6	81-114	%	10/14/2005 09:02	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/07-2A.69

LCS 2005/10/07-2A.69-058

Extracted: 10/07/2005

Analyzed: 10/07/2005 17:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.2		25	100.8			65-165	20		
Benzene	24.1		25	96.4			69-129	20		
Toluene	24.7		25	98.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	499		500	99.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/08-1A.62

LCS 2005/10/08-1A.62-021

Extracted: 10/08/2005

Analyzed: 10/08/2005 10:21

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7		25	90.8			65-165	20		
Benzene	25.4		25	101.6			69-129	20		
Toluene	26.2		25	104.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	382		500	76.4			73-130			
Toluene-d8	490		500	98.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/08-1A.71

LCS 2005/10/08-1A.71-006

Extracted: 10/08/2005

Analyzed: 10/08/2005 11:06

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.5		25	90.0			65-165	20		
Benzene	20.6		25	82.4			69-129	20		
Toluene	23.5		25	94.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	473		500	94.6			73-130			
Toluene-d8	521		500	104.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/10-2A.64

LCS 2005/10/10-2A.64-022

Extracted: 10/10/2005

Analyzed: 10/10/2005 17:22

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.5		25	102.0			65-165	20		
Benzene	27.1		25	108.4			69-129	20		
Toluene	27.4		25	109.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	501		500	100.2			73-130			
Toluene-d8	549		500	109.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/14-1B.65

LCS 2005/10/14-1B.65-036

Extracted: 10/14/2005

Analyzed: 10/14/2005 08:36

LCSD 2005/10/14-1B.65-028

Extracted: 10/14/2005

Analyzed: 10/14/2005 09:28

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7	24.4	25	90.8	97.6	7.2	65-165	20		
Benzene	22.5	23.1	25	90.0	92.4	2.6	69-129	20		
Toluene	23.7	23.3	25	94.8	93.2	1.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	386	400	500	77.2	80.0		73-130			
Toluene-d8	445	441	500	89.0	88.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/07-2A.69

MS/MSD

Lab ID: 2005-10-0069 - 008

MS: 2005/10/07-2A:69-024

Extracted: 10/07/2005

Analyzed: 10/07/2005 21:24

Dilution: 1.00

MSD: 2005/10/07-2A:69-046

Extracted: 10/07/2005

Analyzed: 10/07/2005 21:46

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.6	23.2	ND	25	98.4	92.8	5.9	65-165	20		
Benzene	26.6	27.3	6.04	25	82.2	85.0	3.3	69-129	20		
Toluene	22.0	22.3	0.633	25	85.5	86.7	1.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	476	463		500	95.2	92.6		73-130			
Toluene-d8	471	487		500	94.2	97.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/08-1A.62

MS/MSD

Lab ID: 2005-10-0066 - 011

MS: 2005/10/08-1A.62-024

Extracted: 10/08/2005

Analyzed: 10/08/2005 12:24

Dilution: 1.00

MSD: 2005/10/08-1A.62-050

Extracted: 10/08/2005

Analyzed: 10/08/2005 12:50

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	20.1	19.4	ND	25	80.4	77.6	3.5	65-165	20		
Benzene	23.8	23.5	ND	25	95.2	94.0	1.3	69-129	20		
Toluene	24.2	23.3	ND	25	96.8	93.2	3.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	396	400		500	79.2	80.0		73-130			
Toluene-d8	492	506		500	98.4	101.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/08-1A.71

MS/MSD

Lab ID: 2005-10-0082 - 012

MS: 2005/10/08-1A.71-050

Extracted: 10/08/2005

Analyzed: 10/08/2005 13:50

Dilution: 50.00

MSD: 2005/10/08-1A.71-017

Extracted: 10/08/2005

Analyzed: 10/08/2005 14:17

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	5020	5190	4040	1250	78.4	92.0	16.0	65-165	20		
Benzene	966	923	ND	1250	77.3	73.8	4.6	69-129	20		
Toluene	1100	1040	2.97	1250	87.8	83.0	5.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	392	403		500	78.4	80.6		73-130			
Toluene-d8	449	444		500	89.8	88.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/10-2A.64

MS/MSD

Lab ID: 2005-10-0147 - 001

MS: 2005/10/10-2A.64-037

Extracted: 10/10/2005

Analyzed: 10/10/2005 19:00

Dilution: 1.00

MSD: 2005/10/10-2A.64-021

Extracted: 10/10/2005

Analyzed: 10/10/2005 19:21

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.8	25.4	ND	25	103.2	101.6	1.6	65-165	20		
Benzene	24.6	25.7	ND	25	98.4	102.8	4.4	69-129	20		
Toluene	24.8	25.7	ND	25	99.2	102.8	3.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	510	505		500	102.0	101.0		73-130			
Toluene-d8	534	535		500	106.8	107.0		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/17/2005 17:59

Page 18 of 20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/14-1B.65

SB-6-W >> MS

Lab ID: 2005-10-0016 - 003

MS: 2005/10/14-1B.65-057

Extracted: 10/14/2005

Analyzed: 10/14/2005 10:57

Dilution: 1.00

MSD: 2005/10/14-1B.65-023

Extracted: 10/14/2005

Analyzed: 10/14/2005 11:23

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	25.7	28.4	3.82	25	87.5	98.3	11.6	65-165	20		
Benzene	24.0	23.6	ND	25	96.0	94.4	1.7	69-129	20		
Toluene	25.1	25.0	0.809	25	97.2	96.8	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	369	384		500	73.8	76.8		73-130			
Toluene-d8	457	453		500	91.4	90.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/29/2005 15:40

Site: 6039 College Ave, Oakland, CA

Legend and Notes

Analysis Flag

- H1
Extracted out of holding time.
- L1
Reporting limits raised due to high level of non-target analyte materials.
- L2
Reporting limits were raised due to high level of analyte present in the sample.

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced:
 SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT HOUSTON
 Denis Brown
2005-10-0016

INCIDENT NUMBER (S&E ONLY)
 9 8 9 9 5 7 4 5
 DATE: 4-28-2005
 SAP or CRMT NUMBER (TS/CRMT)
 PAGE: 1 of 2

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC
 ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608
 PROJECT CONTACT (Hardcopy or PDF Report to): David Gibbs
 TELEPHONE: (510) 420-3363 FAX: (510) 420-8170 E-MAIL: dgibbs@cambria-env.com
 TURNAROUND TIME (BUSINESS DAYS): 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS
 LA - RWQCB REPORT FORMAT UST AGENCY:
 GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED
 cc lab report: rbarone@cambria-env.com

SITE ADDRESS (Street and City): 6039 College Ave, Oakland, CA
 EDD DELIVERABLE TO (Responsible Party or Designee):
 PHONE NO.:
 GLOBAL ID NO.: T0600101272
 E-MAIL: shellontkinds@Cambria-env.com
 CONSULTANT PROJECT NO.: 247-0503-006

Sampled by: R. Barone

LAB USE ONLY	Field Sample Identification				REQUESTED ANALYSIS														FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 40 mL VOAS ON ICE TEMPERATURE ON RECEIPT °C 2						
	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Purgable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP		Test for Disposal (see attached)					
	SB-6-9.5	9/28	450	S	1	X	X		X	X	X														
	SB-6-17.5	"	1005	S	1	X	X		X	X	X														
	SB-6-W	"	1020	W	5	X	X		X	X	X														HCl
	SB-7-9.5	"	1258	S	1	X	X		X	X	X														
	SB-7-14.5	"	1258	S	1	X	X		X	X	X														
	SB-7-17.0	"	1310	S	1	X	X		X	X	X														
	SB-7-W	"	1322	W	5	X	X		X	X	X														HCl
	SB-3-9.5	"	1521	S	1	X	X		X	X	X														
	SB-3-14.5	"	1530	S	1	X	X		X	X	X														
	SB-3-17.0	"	1532	S	1	X	X		X	X	X														

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 9-28-2005	Time: 1808
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 9/28/05	Time: 1430
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 9/29/05	Time: 1540

SHELL Chain Of Custody Record

99997

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-10-0016

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 4 5

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9-28-2005

PAGE: 2 of 2

SAMPLING COMPANY: **CAMBRIA ENVIRONMENTAL TECHNOLOGY INC**

ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to):

David Gibbs

TELEPHONE: (510) 420-3363

FAX: (510) 420-9170

E-MAIL: dgibbs@Cambria-env.com

SITE ADDRESS (Street and City): 6039 College Ave, Oakland, CA

GLOBAL ID NO.: T0600101272

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL: Shell.Oakland.coff@Cambria-env.com

CONSULTANT PROJECT NO.: 247-0503-006

Sampled by: R. Barone

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):

- 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

- LA - RWQCB REPORT FORMAT UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

cc lab report: rbarone@cambria-env.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (6015m)	STEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUF5 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)		
		DATE	TIME																			
	SB-3-20.5	9/28	1541	SD	1	X		X			X	X	X									
	SB-3-W	9/28	1552	W	5	X	X				X	X	X									

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

40 ml VOAS

ON ICE

TEMPERATURE ON RECEIPT C°

2

HCl

Requested by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date: 9-28-2005

Time: 1808

Requested by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date: 9/29/05

Time: 1430

Requested by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date: 9/29/05

Time: 1540

Cambria Environmental Emeryville

October 25, 2005

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: David Gibbs

Project#: 247-0503-000

Project: 98995745

Site: 6039 College Ave, Oakland, CA

Attached is our report for your samples received on 09/30/2005 14:05

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/14/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2-9.5	09/29/2005 07:35	Soil	1
SB-2-14.5	09/29/2005 07:41	Soil	2
SB-2-19.5	09/29/2005 07:50	Soil	3
SB-2-23.5	09/29/2005 08:00	Soil	4
SB-2-29.5	09/29/2005 08:12	Soil	5
SB-2-W	09/29/2005 08:25	Water	6
SB-1-5.0	09/29/2005 09:27	Soil	7
SB-1-9.5	09/29/2005 09:31	Soil	8
SB-1-14.5	09/29/2005 09:39	Soil	9
SB-1-23.5	09/29/2005 09:52	Soil	11
SB-1-29.5	09/29/2005 09:58	Soil	12
SB-1-W	09/29/2005 10:23	Water	13
SB-8-9.5	09/29/2005 11:40	Soil	14
SB-8-W	09/29/2005 12:18	Water	18

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-9.5	Lab ID: 2005-10-0023 - 1
Sampled: 09/29/2005 07:35	Extracted: 10/5/2005 10:07
Matrix: Soil	QC Batch#: 2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2005 10:07	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/05/2005 10:07	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 10:07	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 10:07	
Ethanol	ND	0.50	mg/Kg	1.00	10/05/2005 10:07	
Surrogate(s)						
1,2-Dichloroethane-d4	89.9	76-124	%	1.00	10/05/2005 10:07	
Toluene-d8	95.8	75-116	%	1.00	10/05/2005 10:07	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-14.5	Lab ID: 2005-10-0023 - 2
Sampled: 09/29/2005 07:41	Extracted: 10/10/2005 12:08
Matrix: Soil	QC Batch#: 2005/10/10-1B.62
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	8.4	5.0	mg/Kg	4.95	10/10/2005 12:08	Q1
Benzene	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
Toluene	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
Ethyl benzene	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
Total xylenes	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
tert-Butyl alcohol (TBA)	ND	0.050	mg/Kg	4.95	10/10/2005 12:08	
Methyl tert-butyl ether (MTBE)	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
Di-isopropyl Ether (DIPE)	ND	0.050	mg/Kg	4.95	10/10/2005 12:08	
Ethyl tert-butyl ether (ETBE)	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
tert-Amyl methyl ether (TAME)	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
1,2-DCA	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
EDB	ND	0.025	mg/Kg	4.95	10/10/2005 12:08	
Ethanol	ND	0.50	mg/Kg	4.95	10/10/2005 12:08	
Surrogate(s)						
1,2-Dichloroethane-d4	84.0	76-124	%	4.95	10/10/2005 12:08	
Toluene-d8	96.8	75-116	%	4.95	10/10/2005 12:08	

Severn Trent Laboratories, Inc.

10/26/2005 13:56

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-19.5	Lab ID: 2005-10-0023 - 3
Sampled: 09/29/2005 07:50	Extracted: 10/6/2005 17:01
Matrix: Soil	QC Batch#: 2005/10/06-1A.62
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	14	4.9	mg/Kg	4.85	10/06/2005 17:01	Q1
Benzene	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
Toluene	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
Ethyl benzene	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
Total xylenes	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
tert-Butyl alcohol (TBA)	ND	0.049	mg/Kg	4.85	10/06/2005 17:01	
Methyl tert-butyl ether (MTBE)	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
Di-isopropyl Ether (DIPE)	ND	0.049	mg/Kg	4.85	10/06/2005 17:01	
Ethyl tert-butyl ether (ETBE)	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
tert-Amyl methyl ether (TAME)	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
1,2-DCA	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
EDB	ND	0.024	mg/Kg	4.85	10/06/2005 17:01	
Ethanol	ND	0.49	mg/Kg	4.85	10/06/2005 17:01	
Surrogate(s)						
1,2-Dichloroethane-d4	87.0	76-124	%	4.85	10/06/2005 17:01	
Toluene-d8	102.8	75-116	%	4.85	10/06/2005 17:01	

Severn Trent Laboratories, Inc.

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10/26/2005 13:56

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

 5900 Hollis Street, Ste. A
 Emeryville, CA 94608
 Phone: (510) 420-3363 Fax: (510) 420-9170

 Project: 247-0503-000
 98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-2-23.5	Lab ID:	2005-10-0023 - 4
Sampled:	09/29/2005 08:00	Extracted:	10/5/2005 15:20
Matrix:	Soil	QC Batch#:	2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2005 15:20	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/05/2005 15:20	
Methyl tert-butyl ether (MTBE)	0.0087	0.0050	mg/Kg	1.00	10/05/2005 15:20	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 15:20	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 15:20	
Ethanol	ND	0.50	mg/Kg	1.00	10/05/2005 15:20	
Surrogate(s)						
1,2-Dichloroethane-d4	88.8	76-124	%	1.00	10/05/2005 15:20	
Toluene-d8	98.7	75-116	%	1.00	10/05/2005 15:20	

Severn Trent Laboratories, Inc.

10/26/2005 13:56

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-29.5	Lab ID: 2005-10-0023 - 5
Sampled: 09/29/2005 08:12	Extracted: 10/5/2005 15:46
Matrix: Soil	QC Batch#: 2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2005 15:46	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/05/2005 15:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 15:46	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 15:46	
Ethanol	ND	0.50	mg/Kg	1.00	10/05/2005 15:46	
Surrogate(s)						
1,2-Dichloroethane-d4	91.6	76-124	%	1.00	10/05/2005 15:46	
Toluene-d8	100.7	75-116	%	1.00	10/05/2005 15:46	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-W	Lab ID: 2005-10-0023 - 6
Sampled: 09/29/2005 08:25	Extracted: 10/11/2005 10:09
Matrix: Water	QC Batch#: 2005/10/11-1A.69
Analysis Flag: L2, pH: <2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	9900	2000	ug/L	40.00	10/11/2005 10:09	
Benzene	ND	20	ug/L	40.00	10/11/2005 10:09	
Toluene	ND	20	ug/L	40.00	10/11/2005 10:09	
Ethylbenzene	91	20	ug/L	40.00	10/11/2005 10:09	
Total xylenes	ND	40	ug/L	40.00	10/11/2005 10:09	
tert-Butyl alcohol (TBA)	ND	200	ug/L	40.00	10/11/2005 10:09	
Methyl tert-butyl ether (MTBE)	110	20	ug/L	40.00	10/11/2005 10:09	
Di-isopropyl Ether (DIPE)	210	80	ug/L	40.00	10/11/2005 10:09	
Ethyl tert-butyl ether (ETBE)	ND	80	ug/L	40.00	10/11/2005 10:09	
tert-Amyl methyl ether (TAME)	ND	80	ug/L	40.00	10/11/2005 10:09	
1,2-DCA	ND	20	ug/L	40.00	10/11/2005 10:09	
EDB	ND	20	ug/L	40.00	10/11/2005 10:09	
Ethanol	ND	2000	ug/L	40.00	10/11/2005 10:09	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	73-130	%	40.00	10/11/2005 10:09	
Toluene-d8	97.9	81-114	%	40.00	10/11/2005 10:09	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-1-5.0	Lab ID: 2005-10-0023 - 7
Sampled: 09/29/2005 09:27	Extracted: 10/5/2005 16:12
Matrix: Soil	QC Batch#: 2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2005 16:12	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
Total xylenes	0.015	0.0050	mg/Kg	1.00	10/05/2005 16:12	
tert-Butyl alcohol (TBA)	0.090	0.010	mg/Kg	1.00	10/05/2005 16:12	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 16:12	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 16:12	
Ethanol	0.53	0.50	mg/Kg	1.00	10/05/2005 16:12	
Surrogate(s)						
1,2-Dichloroethane-d4	86.9	76-124	%	1.00	10/05/2005 16:12	
Toluene-d8	97.8	75-116	%	1.00	10/05/2005 16:12	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-1-9.5	Lab ID: 2005-10-0023 - 8
Sampled: 09/29/2005 09:31	Extracted: 10/5/2005 16:38
Matrix: Soil	QC Batch#: 2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2005 16:38	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
tert-Butyl alcohol (TBA)	0.53	0.010	mg/Kg	1.00	10/05/2005 16:38	
Methyl tert-butyl ether (MTBE)	0.28	0.0050	mg/Kg	1.00	10/05/2005 16:38	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 16:38	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 16:38	
Ethanol	ND	0.50	mg/Kg	1.00	10/05/2005 16:38	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	76-124	%	1.00	10/05/2005 16:38	
Toluene-d8	101.2	75-116	%	1.00	10/05/2005 16:38	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-14.5	Lab ID:	2005-10-0023 - 9
Sampled:	09/29/2005 09:39	Extracted:	10/5/2005 17:05
Matrix:	Soil	QC Batch#:	2005/10/05-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	7.3	1.0	mg/Kg	1.00	10/05/2005 17:05	Q1
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
tert-Butyl alcohol (TBA)	0.053	0.010	mg/Kg	1.00	10/05/2005 17:05	
Methyl tert-butyl ether (MTBE)	0.035	0.0050	mg/Kg	1.00	10/05/2005 17:05	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2005 17:05	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2005 17:05	
Ethanol	ND	0.50	mg/Kg	1.00	10/05/2005 17:05	
Surrogate(s)						
1,2-Dichloroethane-d4	88.0	76-124	%	1.00	10/05/2005 17:05	
Toluene-d8	105.3	75-116	%	1.00	10/05/2005 17:05	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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 Project: 247-0503-000
 98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-23.5	Lab ID:	2005-10-0023 - 11
Sampled:	09/29/2005 09:52	Extracted:	10/6/2005 10:49
Matrix:	Soil	QC Batch#:	2005/10/06-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/06/2005 10:49	
Benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
Toluene	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/06/2005 10:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/06/2005 10:49	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
EDB	ND	0.0050	mg/Kg	1.00	10/06/2005 10:49	
Ethanol	ND	0.1	mg/Kg	1.00	10/06/2005 10:49	
Surrogate(s)						
1,2-Dichloroethane-d4	97.6	76-124	%	1.00	10/06/2005 10:49	
Toluene-d8	97.1	75-116	%	1.00	10/06/2005 10:49	

Severn Trent Laboratories, Inc.

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10/26/2005 13:56

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-1-29.5	Lab ID: 2005-10-0023 - 12
Sampled: 09/29/2005 09:58	Extracted: 10/6/2005 11:10 10/15/2005 14:49
Matrix: Soil	QC Batch#: 2005/10/06-1A.69 2005/10/15-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/06/2005 11:10	
Benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
Toluene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/06/2005 11:10	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/06/2005 11:10	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
EDB	ND	0.0050	mg/Kg	1.00	10/06/2005 11:10	
Ethanol	ND	0.1	mg/Kg	1.00	10/15/2005 14:49	H2
Surrogate(s)						
1,2-Dichloroethane-d4	95.7	76-124	%	1.00	10/06/2005 11:10	
1,2-Dichloroethane-d4	89.4	76-124	%	1.00	10/15/2005 14:49	
Toluene-d8	98.5	75-116	%	1.00	10/06/2005 11:10	
Toluene-d8	99.0	75-116	%	1.00	10/15/2005 14:49	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-1-W	Lab ID: 2005-10-0023 - 13
Sampled: 09/29/2005 10:23	Extracted: 10/8/2005 18:55
Matrix: Water	QC Batch#: 2005/10/08-1A.62
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	290	50	ug/L	1.00	10/08/2005 18:55	
Benzene	ND	0.50	ug/L	1.00	10/08/2005 18:55	
Toluene	0.86	0.50	ug/L	1.00	10/08/2005 18:55	
Ethylbenzene	0.63	0.50	ug/L	1.00	10/08/2005 18:55	
Total xylenes	2.2	1.0	ug/L	1.00	10/08/2005 18:55	
tert-Butyl alcohol (TBA)	5.4	5.0	ug/L	1.00	10/08/2005 18:55	
Methyl tert-butyl ether (MTBE)	4.0	0.50	ug/L	1.00	10/08/2005 18:55	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/08/2005 18:55	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/08/2005 18:55	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/08/2005 18:55	
1,2-DCA	ND	0.50	ug/L	1.00	10/08/2005 18:55	
EDB	ND	0.50	ug/L	1.00	10/08/2005 18:55	
Ethanol	ND	50	ug/L	1.00	10/08/2005 18:55	
Surrogate(s)						
1,2-Dichloroethane-d4	119.9	73-130	%	1.00	10/08/2005 18:55	
Toluene-d8	94.3	81-114	%	1.00	10/08/2005 18:55	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-8-9.5	Lab ID: 2005-10-0023 - 14
Sampled: 09/29/2005 11:40	Extracted: 10/6/2005 11:31 10/7/2005 14:59
Matrix: Soil	QC Batch#: 2005/10/06-1A.69 2005/10/07-1C 62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/06/2005 11:31	
Benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
Toluene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/06/2005 11:31	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/06/2005 11:31	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
EDB	ND	0.0050	mg/Kg	1.00	10/06/2005 11:31	
Ethanol	ND	0.1	mg/Kg	1.00	10/07/2005 14:59	
Surrogate(s)						
1,2-Dichloroethane-d4	88.2	76-124	%	1.00	10/07/2005 14:59	
1,2-Dichloroethane-d4	98.1	76-124	%	1.00	10/06/2005 11:31	
Toluene-d8	94.3	75-116	%	1.00	10/07/2005 14:59	
Toluene-d8	91.9	75-116	%	1.00	10/06/2005 11:31	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-8-W	Lab ID:	2005-10-0023 - 18
Sampled:	09/29/2005 12:18	Extracted:	10/11/2005 09:48
Matrix:	Water	QC Batch#:	2005/10/11-1A.69
Analysis Flag: L2, pH: <2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	43000	1000	ug/L	20.00	10/11/2005 09:48	
Benzene	170	10	ug/L	20.00	10/11/2005 09:48	
Toluene	ND	10	ug/L	20.00	10/11/2005 09:48	
Ethylbenzene	15	10	ug/L	20.00	10/11/2005 09:48	
Total xylenes	34	20	ug/L	20.00	10/11/2005 09:48	
tert-Butyl alcohol (TBA)	180	100	ug/L	20.00	10/11/2005 09:48	
Methyl tert-butyl ether (MTBE)	340	10	ug/L	20.00	10/11/2005 09:48	
Di-isopropyl Ether (DIPE)	380	40	ug/L	20.00	10/11/2005 09:48	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	10/11/2005 09:48	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	10/11/2005 09:48	
1,2-DCA	ND	10	ug/L	20.00	10/11/2005 09:48	
EDB	ND	10	ug/L	20.00	10/11/2005 09:48	
Ethanol	ND	5000	ug/L	20.00	10/11/2005 09:48	
Surrogate(s)						
1,2-Dichloroethane-d4	107.9	73-130	%	20.00	10/11/2005 09:48	
Toluene-d8	100.8	81-114	%	20.00	10/11/2005 09:48	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2005/10/05-1C.62	
MB: 2005/10/05-1C.62-055				Date Extracted: 10/05/2005 08:55	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/05/2005 08:55	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/05/2005 08:55	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/05/2005 08:55	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/05/2005 08:55	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/05/2005 08:55	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/05/2005 08:55	
1,2-DCA	ND	0.0050	mg/Kg	10/05/2005 08:55	
EDB	ND	0.0050	mg/Kg	10/05/2005 08:55	
Benzene	ND	0.0050	mg/Kg	10/05/2005 08:55	
Toluene	ND	0.0050	mg/Kg	10/05/2005 08:55	
Ethyl benzene	ND	0.0050	mg/Kg	10/05/2005 08:55	
Total xylenes	ND	0.0050	mg/Kg	10/05/2005 08:55	
Ethanol	ND	0.10	mg/Kg	10/05/2005 08:55	
Surrogates(s)					
1,2-Dichloroethane-d4	90.2	76-124	%	10/05/2005 08:55	
Toluene-d8	97.2	75-116	%	10/05/2005 08:55	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Soil	QC Batch # 2005/10/06-1A.62
MB: 2005/10/06-1A.62-000		Date Extracted: 10/06/2005 09:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/06/2005 09:00	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/06/2005 09:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/06/2005 09:00	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/06/2005 09:00	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/06/2005 09:00	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/06/2005 09:00	
1,2-DCA	ND	0.0050	mg/Kg	10/06/2005 09:00	
EDB	ND	0.0050	mg/Kg	10/06/2005 09:00	
Benzene	ND	0.0050	mg/Kg	10/06/2005 09:00	
Toluene	ND	0.0050	mg/Kg	10/06/2005 09:00	
Ethyl benzene	ND	0.0050	mg/Kg	10/06/2005 09:00	
Total xylenes	ND	0.0050	mg/Kg	10/06/2005 09:00	
Ethanol	ND	0.10	mg/Kg	10/06/2005 09:00	
Surrogates(s)					
1,2-Dichloroethane-d4	87.0	76-124	%	10/06/2005 09:00	
Toluene-d8	97.6	75-116	%	10/06/2005 09:00	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Soil	QC Batch # 2005/10/06-1A.69
MB: 2005/10/06-1A.69-043		Date Extracted: 10/06/2005 08:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/06/2005 08:43	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/06/2005 08:43	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/06/2005 08:43	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/06/2005 08:43	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/06/2005 08:43	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/06/2005 08:43	
1,2-DCA	ND	0.0050	mg/Kg	10/06/2005 08:43	
EDB	ND	0.0050	mg/Kg	10/06/2005 08:43	
Benzene	ND	0.0050	mg/Kg	10/06/2005 08:43	
Toluene	ND	0.0050	mg/Kg	10/06/2005 08:43	
Ethyl benzene	ND	0.0050	mg/Kg	10/06/2005 08:43	
Total xylenes	ND	0.0050	mg/Kg	10/06/2005 08:43	
Ethanol	0.118	0.10	mg/Kg	10/06/2005 08:43	
Surrogates(s)					
1,2-Dichloroethane-d4	93.6	76-124	%	10/06/2005 08:43	
Toluene-d8	97.2	75-116	%	10/06/2005 08:43	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/10/07-1C.62
MB: 2005/10/07-1C.62-002			Date Extracted: 10/07/2005 09:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/07/2005 09:02	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/07/2005 09:02	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/07/2005 09:02	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/07/2005 09:02	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/07/2005 09:02	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/07/2005 09:02	
1,2-DCA	ND	0.0050	mg/Kg	10/07/2005 09:02	
EDB	ND	0.0050	mg/Kg	10/07/2005 09:02	
Benzene	ND	0.0050	mg/Kg	10/07/2005 09:02	
Toluene	ND	0.0050	mg/Kg	10/07/2005 09:02	
Ethyl benzene	ND	0.0050	mg/Kg	10/07/2005 09:02	
Total xylenes	ND	0.0050	mg/Kg	10/07/2005 09:02	
Ethanol	ND	0.10	mg/Kg	10/07/2005 09:02	
Surrogates(s)					
1,2-Dichloroethane-d4	93.4	76-124	%	10/07/2005 09:02	
Toluene-d8	101.2	75-116	%	10/07/2005 09:02	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2005/10/08-1A.62
MB: 2005/10/08-1A.62-013		Date Extracted: 10/08/2005 11:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/08/2005 11:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/08/2005 11:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/08/2005 11:13	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/08/2005 11:13	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/08/2005 11:13	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/08/2005 11:13	
1,2-DCA	ND	0.5	ug/L	10/08/2005 11:13	
EDB	ND	0.5	ug/L	10/08/2005 11:13	
Benzene	ND	0.5	ug/L	10/08/2005 11:13	
Toluene	ND	0.5	ug/L	10/08/2005 11:13	
Ethylbenzene	ND	0.5	ug/L	10/08/2005 11:13	
Total xylenes	ND	1.0	ug/L	10/08/2005 11:13	
Ethanol	ND	50	ug/L	10/08/2005 11:13	
Surrogates(s)					
1,2-Dichloroethane-d4	83.8	73-130	%	10/08/2005 11:13	
Toluene-d8	98.2	81-114	%	10/08/2005 11:13	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/10/10-1B.62
MB: 2005/10/10-1B.62-020			Date Extracted: 10/10/2005 07:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/10/2005 07:20	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/10/2005 07:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/10/2005 07:20	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/10/2005 07:20	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/10/2005 07:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/10/2005 07:20	
1,2-DCA	ND	0.0050	mg/Kg	10/10/2005 07:20	
EDB	ND	0.0050	mg/Kg	10/10/2005 07:20	
Benzene	ND	0.0050	mg/Kg	10/10/2005 07:20	
Toluene	ND	0.0050	mg/Kg	10/10/2005 07:20	
Ethyl benzene	ND	0.0050	mg/Kg	10/10/2005 07:20	
Total xylenes	ND	0.0050	mg/Kg	10/10/2005 07:20	
Ethanol	ND	0.10	mg/Kg	10/10/2005 07:20	
Surrogates(s)					
1,2-Dichloroethane-d4	92.2	76-124	%	10/10/2005 07:20	
Toluene-d8	100.0	75-116	%	10/10/2005 07:20	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2005/10/11-1A.69
MB: 2005/10/11-1A.69-023		Date Extracted: 10/11/2005 08:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/11/2005 08:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/11/2005 08:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/11/2005 08:23	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/11/2005 08:23	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/11/2005 08:23	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/11/2005 08:23	
1,2-DCA	ND	0.5	ug/L	10/11/2005 08:23	
EDB	ND	0.5	ug/L	10/11/2005 08:23	
Benzene	ND	0.5	ug/L	10/11/2005 08:23	
Toluene	ND	0.5	ug/L	10/11/2005 08:23	
Ethylbenzene	ND	0.5	ug/L	10/11/2005 08:23	
Total xylenes	ND	1.0	ug/L	10/11/2005 08:23	
Ethanol	ND	50	ug/L	10/11/2005 08:23	
Surrogates(s)					
1,2-Dichloroethane-d4	95.0	73-130	%	10/11/2005 08:23	
Toluene-d8	96.6	81-114	%	10/11/2005 08:23	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/10/15-1A.62
MB: 2005/10/15-1A.62-044			Date Extracted: 10/15/2005 09:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/15/2005 09:44	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/15/2005 09:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/15/2005 09:44	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/15/2005 09:44	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/15/2005 09:44	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/15/2005 09:44	
1,2-DCA	ND	0.0050	mg/Kg	10/15/2005 09:44	
EDB	ND	0.0050	mg/Kg	10/15/2005 09:44	
Benzene	ND	0.0050	mg/Kg	10/15/2005 09:44	
Toluene	ND	0.0050	mg/Kg	10/15/2005 09:44	
Ethyl benzene	ND	0.0050	mg/Kg	10/15/2005 09:44	
Total xylenes	ND	0.0050	mg/Kg	10/15/2005 09:44	
Ethanol	ND	0.10	mg/Kg	10/15/2005 09:44	
Surrogates(s)					
1,2-Dichloroethane-d4	82.6	76-124	%	10/15/2005 09:44	
Toluene-d8	94.4	75-116	%	10/15/2005 09:44	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/10/05-1C.62			
LCS		2005/10/05-1C.62-029		Extracted: 10/05/2005		Analyzed: 10/05/2005 08:29			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0446		0.05	89.2			65-165	20		
Benzene	0.0550		0.05	110.0			69-129	20		
Toluene	0.0532		0.05	106.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	388		500	77.6			76-124			
Toluene-d8	489		500	97.8			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
Laboratory Control Spike			Soil			QC Batch # 2005/10/06-1A.62			
LCS		2005/10/06-1A.62-033		Extracted: 10/06/2005		Analyzed: 10/06/2005 08:33			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0449		0.05	89.8			65-165	20		
Benzene	0.0535		0.05	107.0			69-129	20		
Toluene	0.0527		0.05	105.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	402		500	80.4			76-124			
Toluene-d8	504		500	100.8			75-116			

Severn Trent Laboratories, Inc.

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10/26/2005 13:56

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil		QC Batch # 2005/10/06-1A.69				
LCS		2005/10/06-1A.69-022			Extracted: 10/06/2005		Analyzed: 10/06/2005 08:22		
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0543		0.05	108.6			65-165	20		
Benzene	0.0467		0.05	93.4			69-129	20		
Toluene	0.0496		0.05	99.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	448		500	89.6			76-124			
Toluene-d8	462		500	92.4			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/10/07-1C.62			
LCS		2005/10/07-1C.62-036			Extracted: 10/07/2005		Analyzed: 10/07/2005 08:36		
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0425		0.05	85.0			65-165	20		
Benzene	0.0529		0.05	105.8			69-129	20		
Toluene	0.0532		0.05	106.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	390		500	78.0			76-124			
Toluene-d8	501		500	100.2			75-116			

Severn Trent Laboratories, Inc.

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/10/08-1A.62			
LCS		2005/10/08-1A.62-021		Extracted: 10/08/2005		Analyzed: 10/08/2005 10:21			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7		25	90.8			65-165	20		
Benzene	25.4		25	101.6			69-129	20		
Toluene	26.2		25	104.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	382		500	76.4			73-130			
Toluene-d8	490		500	98.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil		QC Batch # 2005/10/10-1B.62				
LCS	2005/10/10-1B.62-053		Extracted: 10/10/2005		Analyzed: 10/10/2005 06:53				
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0428		0.05	85.6			65-165	20		
Benzene	0.0492		0.05	98.4			69-129	20		
Toluene	0.0495		0.05	99.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	400		500	80.0			76-124			
Toluene-d8	489		500	97.8			75-116			

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/10/11-1A.69			
LCS	2005/10/11-1A.69-002		Extracted: 10/11/2005			Analyzed: 10/11/2005 08:02			
LCSD	2005/10/11-1A.69-044		Extracted: 10/11/2005			Analyzed: 10/11/2005 08:44			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.8	25.5	25	99.2	102.0	2.8	65-165	20		
Benzene	23.6	24.2	25	94.4	96.8	2.5	69-129	20		
Toluene	24.8	25.3	25	99.2	101.2	2.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	435	447	500	87.0	89.4		73-130			
Toluene-d8	476	477	500	95.2	95.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil		QC Batch # 2005/10/15-1A.62				
LCS 2005/10/15-1A.62-018			Extracted: 10/15/2005		Analyzed: 10/15/2005 09:18				
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0455		0.05	91.0			65-165	20		
Benzene	0.0522		0.05	104.4			69-129	20		
Toluene	0.0518		0.05	103.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	372		500	74.4			72-124			
Toluene-d8	487		500	97.4			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/10/05-1C.62	
SB-2-9.5 >> MS		Lab ID:	2005-10-0023 - 001
MS: 2005/10/05-1C.62-033	Extracted: 10/05/2005	Analyzed:	10/05/2005 10:33
		Dilution:	1.00
MSD: 2005/10/05-1C.62-059	Extracted: 10/05/2005	Analyzed:	10/05/2005 10:59
		Dilution:	1.00

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0562	0.0592	ND	0.049603	113.3	119.6	5.4	65-165	20		
Benzene	0.0644	0.0679	ND	0.049603	129.8	137.2	5.5	69-129	20	M4	M4
Toluene	0.0618	0.0649	ND	0.049603	124.6	131.1	5.1	70-130	20		M4
Surrogate(s)											
1,2-Dichloroethane-d4	419	425		500	83.8	85.0		76-124			
Toluene-d8	476	501		500	95.2	100.2		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/10/06-1A.62	
MS/MSD	Lab ID: 2005-10-0064 - 001		
MS: 2005/10/06-1A.62-028	Extracted: 10/06/2005	Analyzed: 10/06/2005 10:28	Dilution: 1.00
MSD: 2005/10/06-1A.62-055	Extracted: 10/06/2005	Analyzed: 10/06/2005 10:55	Dilution: 1.00

Compound	Conc. mg/Kg			Spk. Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0381	0.0455	ND	0.049309	77.3	93.2	18.7	65-165	20		
Benzene	0.0455	0.0549	ND	0.049309	92.3	112.4	19.6	69-129	20		
Toluene	0.0438	0.0547	ND	0.049309	88.8	112.0	23.1	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	401	391		500	80.2	78.2		76-124			
Toluene-d8	489	496		500	97.8	99.2		75-116			

Severn Trent Laboratories, Inc.

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10/26/2005 13:56

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/10/06-1A.69	
MS/MSD			Lab ID: 2005-10-0064 - 004
MS: 2005/10/06-1A.69-007	Extracted: 10/06/2005	Analyzed:	10/06/2005 10:07
		Dilution:	1.00
MSD: 2005/10/06-1A.69-028	Extracted: 10/06/2005	Analyzed:	10/06/2005 10:28
		Dilution:	1.00

Compound	Conc. mg/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	0.0518	0.0534	ND	0.049800	104.0	107.7	3.5	65-165	20		
Benzene	0.0459	0.0473	ND	0.049800	92.2	95.4	3.4	69-129	20		
Toluene	0.0472	0.0503	ND	0.049800	94.8	101.4	6.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	457	453		500	91.4	90.6		76-124			
Toluene-d8	479	489		500	95.8	97.8		75-116			

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Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/10/07-1C.62	
MS/MSD			Lab ID: 2005-10-0067 - 001
MS: 2005/10/07-1C.62-039	Extracted: 10/07/2005	Analyzed: 10/07/2005 10:39	Dilution: 1.00
MSD: 2005/10/07-1C.62-005	Extracted: 10/07/2005	Analyzed: 10/07/2005 11:05	Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	54.3	52.2	ND	49.2	110.4	106.3	3.8	69-129	20		
Toluene	51.1	48.9	ND	49.2	103.9	99.6	4.2	70-130	20		
Methyl tert-butyl ether	43.9	45.1	ND	49.2	89.2	91.9	3.0	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	402	412		500	80.4	82.4		76-124			
Toluene-d8	477	469		500	95.4	93.8		75-116			

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98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/10/08-1A.62	
MS/MSD		Lab ID:	2005-10-0066 - 011
MS: 2005/10/08-1A.62-024	Extracted: 10/08/2005	Analyzed:	10/08/2005 12:24
		Dilution:	1.00
MSD: 2005/10/08-1A.62-050	Extracted: 10/08/2005	Analyzed:	10/08/2005 12:50
		Dilution:	1.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	20.1	19.4	ND	25	80.4	77.6	3.5	65-165	20		
Benzene	23.8	23.5	ND	25	95.2	94.0	1.3	69-129	20		
Toluene	24.2	23.3	ND	25	96.8	93.2	3.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	396	400		500	79.2	80.0		73-130			
Toluene-d8	492	506		500	98.4	101.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/10/10-1B.62	
MS/MSD			Lab ID: 2005-10-0081 - 028
MS: 2005/10/10-1B.62-006	Extracted: 10/10/2005	Analyzed: 10/10/2005 09:06	Dilution: 1.00
MSD: 2005/10/10-1B.62-032	Extracted: 10/10/2005	Analyzed: 10/10/2005 09:32	Dilution: 1.00

Compound	Conc. mg/Kg		Spk. Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0417	0.0371	ND	0.043103	96.8	86.1	11.7	65-165	20		
Benzene	0.0424	0.0424	ND	0.043103	98.4	98.4	0.0	69-129	20		
Toluene	0.0439	0.0441	ND	0.043103	101.9	102.3	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	409	392		500	81.8	78.4		76-124			
Toluene-d8	490	490		500	98.0	98.0		75-116			

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Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2005/10/11-1A.69
MS/MSD		Lab ID:	2005-10-0135 - 001
MS:	2005/10/11-1A.69-051	Extracted:	10/11/2005
		Analyzed:	10/11/2005 10:51
		Dilution:	1.00
MSD:	2005/10/11-1A.69-012	Extracted:	10/11/2005
		Analyzed:	10/11/2005 11:12
		Dilution:	1.00

Compound	Conc. ug/L			Spk. Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.4	24.4	1.09	25	89.2	93.2	4.4	65-165	20		
Benzene	21.4	23.0	ND	25	85.6	92.0	7.2	69-129	20		
Toluene	22.0	23.6	ND	25	88.0	94.4	7.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	453	454		500	90.6	90.8		73-130			
Toluene-d8	474	484		500	94.8	96.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2005/10/15-1A.62
SB-1-23.5 >> MS		Lab ID:	2005-10-0023 - 011
MS: 2005/10/15-1A.62-031	Extracted: 10/15/2005	Analyzed:	10/15/2005 13:31
		Dilution:	1.00
MSD: 2005/10/15-1A.62-057	Extracted: 10/15/2005	Analyzed:	10/15/2005 13:57
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0341	0.0370	ND	0.046040	74.1	77.4	4.4	65-165	20		
Benzene	0.0410	0.0463	ND	0.046040	89.1	96.9	8.4	69-129	20		
Toluene	0.0413	0.0464	ND	0.046040	89.8	97.1	7.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	387	389		500	77.4	77.8		76-124			
Toluene-d8	489	498		500	97.8	99.6		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Site: 6039 College Ave, Oakland, CA

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

H2

Analyzed out of holding time.

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1-19.5	09/29/2005 09:44	Soil	10
SB-8-14.5	09/29/2005 11:49	Soil	15
SB-8-19.5	09/29/2005 11:52	Soil	16
SB-8-22.0	09/29/2005 12:10	Soil	17

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-1-19.5	Lab ID: 2005-10-0023 - 10
Sampled: 09/29/2005 09:44	Extracted: 10/7/2005 22:22
Matrix: Soil	QC Batch#: 2005/10/04-3B.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	96	50	mg/Kg	1.00	10/07/2005 22:22	Q1
Benzene	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
Toluene	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
Total xylenes	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/07/2005 22:22	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/07/2005 22:22	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
EDB	ND	0.50	mg/Kg	1.00	10/07/2005 22:22	
Ethanol	ND	25	mg/Kg	1.00	10/07/2005 22:22	
Surrogate(s)						
1,2-Dichloroethane-d4	72.1	53-129	%	1.00	10/07/2005 22:22	
Toluene-d8	92.1	47-136	%	1.00	10/07/2005 22:22	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-8-14.5	Lab ID: 2005-10-0023 - 15
Sampled: 09/29/2005 11:49	Extracted: 10/7/2005 22:48
Matrix: Soil	QC Batch#: 2005/10/04-3B.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	460	50	mg/Kg	1.00	10/07/2005 22:48	Q1
Benzene	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
Toluene	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
Total xylenes	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/07/2005 22:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/07/2005 22:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
EDB	ND	0.50	mg/Kg	1.00	10/07/2005 22:48	
Ethanol	ND	25	mg/Kg	1.00	10/07/2005 22:48	
Surrogate(s)						
1,2-Dichloroethane-d4	67.1	53-129	%	1.00	10/07/2005 22:48	
Toluene-d8	90.6	47-136	%	1.00	10/07/2005 22:48	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-8-19.5	Lab ID: 2005-10-0023 - 16
Sampled: 09/29/2005 11:52	Extracted: 10/7/2005 23:14
Matrix: Soil	QC Batch#: 2005/10/04-3B.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	740	50	mg/Kg	1.00	10/07/2005 23:14	Q1
Benzene	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
Toluene	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
Total xylenes	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/07/2005 23:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/07/2005 23:14	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
EDB	ND	0.50	mg/Kg	1.00	10/07/2005 23:14	
Ethanol	ND	25	mg/Kg	1.00	10/07/2005 23:14	
Surrogate(s)						
1,2-Dichloroethane-d4	68.2	53-129	%	1.00	10/07/2005 23:14	
Toluene-d8	93.7	47-136	%	1.00	10/07/2005 23:14	

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10/24/2005 16:30

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-8-22.0	Lab ID: 2005-10-0023 - 17
Sampled: 09/29/2005 12:10	Extracted: 10/17/2005 16:28
Matrix: Soil	QC Batch#: 2005/10/13-3B.69
Analysis Flag: L1 H1 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	10/17/2005 16:28	
Benzene	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
Toluene	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
Total xylenes	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/17/2005 16:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/17/2005 16:28	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
EDB	ND	0.50	mg/Kg	1.00	10/17/2005 16:28	
Ethanol	ND	25	mg/Kg	1.00	10/17/2005 16:28	
Surrogate(s)						
1,2-Dichloroethane-d4	70.8	53-129	%	1.00	10/17/2005 16:28	
Toluene-d8	94.3	47-136	%	1.00	10/17/2005 16:28	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Soil	QC Batch # 2005/10/04-3B.69
MB: 2005/10/04-3B.69-018		Date Extracted: 10/07/2005 19:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	10/07/2005 19:18	
Benzene	ND	0.50	mg/Kg	10/07/2005 19:18	
Toluene	ND	0.50	mg/Kg	10/07/2005 19:18	
Ethyl benzene	ND	0.50	mg/Kg	10/07/2005 19:18	
Total xylenes	ND	0.50	mg/Kg	10/07/2005 19:18	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	10/07/2005 19:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/07/2005 19:18	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	10/07/2005 19:18	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	10/07/2005 19:18	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	10/07/2005 19:18	
1,2-DCA	ND	0.50	mg/Kg	10/07/2005 19:18	
EDB	ND	0.50	mg/Kg	10/07/2005 19:18	
Ethanol	ND	25	mg/Kg	10/07/2005 19:18	
Surrogates(s)					
1,2-Dichloroethane-d4	75.2	53-129	%	10/07/2005 19:18	
Toluene-d8	98.4	47-136	%	10/07/2005 19:18	

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Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method Blank			Soil		
MB: 2005/10/13-3B.69-054			QC Batch # 2005/10/13-3B.69		
			Date Extracted: 10/13/2005 19:54		
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	10/13/2005 19:54	
Benzene	ND	0.50	mg/Kg	10/13/2005 19:54	
Toluene	ND	0.50	mg/Kg	10/13/2005 19:54	
Ethyl benzene	ND	0.50	mg/Kg	10/13/2005 19:54	
Total xylenes	ND	0.50	mg/Kg	10/13/2005 19:54	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	10/13/2005 19:54	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/13/2005 19:54	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	10/13/2005 19:54	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	10/13/2005 19:54	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	10/13/2005 19:54	
1,2-DCA	ND	0.50	mg/Kg	10/13/2005 19:54	
EDB	ND	0.50	mg/Kg	10/13/2005 19:54	
Ethanol	ND	25	mg/Kg	10/13/2005 19:54	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	53-129	%	10/13/2005 19:54	
Toluene-d8	92.4	47-136	%	10/13/2005 19:54	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
Laboratory Control Spike			Soil			QC Batch # 2005/10/04-3B.69				
LCS	2005/10/04-3B.69-024		Extracted: 10/06/2005			Analyzed: 10/06/2005 21:24				
LCSD	2005/10/04-3B.69-045		Extracted: 10/06/2005			Analyzed: 10/06/2005 21:45				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.27	9.20	10	92.7	92.0	0.8	69-129	20		
Toluene	9.62	9.71	10	96.2	97.1	0.9	70-130	20		
Methyl tert-butyl ether (MTBE)	10.2	10.2	10	102.0	102.0	0.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	223	219	250	89.2	87.6		53-129			
Toluene-d8	234	226	250	93.6	90.4		47-136			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville
Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/10/13-3B.69				
LCS	2005/10/13-3B.69-015		Extracted: 10/13/2005			Analyzed: 10/13/2005 20:15				
LCSD	2005/10/13-3B.69-036		Extracted: 10/13/2005			Analyzed: 10/13/2005 20:36				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	8.65	9.23	10	86.5	92.3	6.5	69-129	20		
Toluene	8.72	9.39	10	87.2	93.9	7.4	70-130	20		
Methyl tert-butyl ether (MTBE)	9.21	10.0	10	92.1	100.0	8.2	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	217	240	250	86.8	96.0		53-129			
Toluene-d8	231	250	250	92.4	100.0		47-136			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/24/2005 16:30

Page 9 of 10

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-000

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave, Oakland, CA

Legend and Notes

Analysis Flag

H1

Extracted out of holding time.

L1

Reporting limits raised due to high level of non-target analyte materials.

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:
 SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT HOUSTON
 Denis Brown
2005-10-0023

INCIDENT NUMBER (S&E ONLY)
 9 8 9 9 5 7 4 5
 DATE: 9-20-2005
 SAP or CRMT NUMBER (TS/CRMT)
 PAGE: 1 of 2

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC
 ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608
 PROJECT CONTACT (Name/Title or PDF Report ID): David Gibbs
 PHONE: (510) 420-3363 FAX: (510) 420-9170 E-MAIL: dgibbs@Cambria-env.com
 SITE ADDRESS (Street and City): 6039 College Ave, Oakland, CA
 GLOBAL ID NO.: T0600101272
 CDP DELIVERABLE TO (Responsible Party or Design):
 PHONE NO.:
 E-MAIL: Shall send email to cambria-env.com
 CHAIN OF CUSTODY PROJECT NO.: 247-0503 000
 LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS
 LA - RWQCB REPORT FORMAT UST AGENCY:
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EOD IS NOT NEEDED
 cc lab report: rbarone@cambria-env.com
 S₂ = SOIL
 W = WATER

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (M015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8200B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 40 ml vials ON ICE TEMPERATURE ON RECEIPT OF	
		DATE	TIME																			
	SB-2-9.5	9/19	735	SO	1	X	X				X	X	X									
	SB-2-14.5	9/19	741	SO	1	X	X				X	X	X									
	SB-2-19.5	9/20	750	SO	1	X	X				X	X	X									
	SB-2-23.5	9/27	800	SO	1	X	X				X	X	X									
	SB-2-29.5	9/24	812	SO	1	X	X				X	X	X									
	SB-2-W	9/24	815	W	5	X	X				X	X	X									HCl
	SB-1-5.0	9/14	912	SO	1	X	X				X	X	X									
	SB-1-9.5		931			X	X				X	X	X									
	SB-1-14.5		935			X	X				X	X	X									
	SB-1-19.5		944			X	X				X	X	X									

Transported by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Secure Location</i>	Date: 9-29-2005	Temp: 1922
Transported by (Signature): <i>[Signature]</i>	Received by (Signature):	Date: 9/30/05	Temp: 1405
Transported by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9-30-05	Temp: 1640

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING Denis Brown
 TECHNICAL SERVICES
 CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY)
 9 8 9 9 5 7 4 5

DATE: 9-28-2005
 PAGE: 2 of 2

SAP or CRMT NUMBER (TS/CRMT)

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC
 5900 HOLLIS ST, Suite A, Emeryville, CA 94608
 PROJECT CONTACT (Hardcopy or PDF Request): David Gibbs
 TELEPHONE: (510) 420-3363 FAX: (510) 420-9170 E-MAIL: dgibbs@cambria-env.com

SITE ADDRESS (Street and City): 6039 College Ave, Oakland, CA
 GLOBAL ID NO.: T0600101272
 EDP DESIGNABLE TO (Responsible Party or Designer):
 PHONE NO.:
 E-MAIL: Shell Oil Co. / David Gibbs
 CONSULTANT PROJECT NO.: 247-0503-006

Sampled by: R. Barone

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED

cc lab report: rbarone@cambria-env.com

SO=SOIL
 W=WATER

FIELD NOTES:
 Container/Preservative or PID Readings or Laboratory Notes
 40 ml VOA
 ON ICE

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (6015m)	BTEX	MTBE	1BA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT °C		
		DATE	TIME																				
	SB-1-235	9/27	952	So	1	X		X			X	X	X										3
	SB-1-245	9/28	958	So	1	X		X			X	X	X										
	SB-1-W	9/29	1023	W	1	X		X			X	X	X										HCI
	SB-8-95	"	1140	So	1	X		X			X	X	X										
	SB-8-145	"	1149	So	1	X		X			X	X	X										
	SB-8-195	"	1152	So	1	X		X			X	X	X										
	SB-8-220	"	1210	So	1	X		X			X	X	X										
	SB-8-W	"	1218	W	5	X		X			X	X	X										HCI

Released by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	Secure location	9-29-2005	1922
Released by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>	9/30/05	1105
Released by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	Joan Mulder	9/30/05	1640

Cambria Environmental Emeryville

October 07, 2005

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Attn.: David Gibbs

Project#: 247-0503-006

Project: 98995745

Site: 6039 College Ave., Oakland, CA

Attached is our report for your samples received on 09/30/2005 14:05

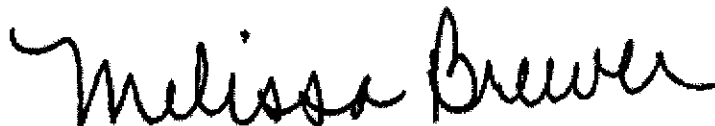
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/14/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	09/29/2005 09:00	Soil	1

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SP-1	Lab ID: 2005-10-0007 - 1
Sampled: 09/29/2005 09:00	Extracted: 10/4/2005 03:58
Matrix: Soil	QC Batch#: 2005/10/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2005 03:58	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 03:58	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2005 03:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2005 03:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2005 03:58	
Surrogate(s)						
1,2-Dichloroethane-d4	92.9	76-124	%	1.00	10/04/2005 03:58	
Toluene-d8	93.9	75-116	%	1.00	10/04/2005 03:58	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/03-2A.62-014

Soil

Test(s): 8260B

QC Batch # 2005/10/03-2A.62

Date Extracted: 10/03/2005 19:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/03/2005 19:14	
Benzene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Toluene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Ethyl benzene	ND	0.0050	mg/Kg	10/03/2005 19:14	
Total xylenes	ND	0.0050	mg/Kg	10/03/2005 19:14	
Surrogates(s)					
1,2-Dichloroethane-d4	85.6	76-124	%	10/03/2005 19:14	
Toluene-d8	98.2	75-116	%	10/03/2005 19:14	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville
Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170
Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/10/03-2A.62

LCS 2005/10/03-2A.62-048
LCSD

Extracted: 10/03/2005

Analyzed: 10/03/2005 18:48

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	0.0481		0.049603	97.0			69-129	20		
Toluene	0.0497		0.049603	100.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	409		500	81.8			76-124			
Toluene-d8	499		500	99.8			75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/10/03-2A.62

MS/MSD

Lab ID: 2005-10-0016 - 001

MS: 2005/10/03-2A.62-044

Extracted: 10/03/2005

Analyzed: 10/03/2005 22:44

Dilution: 1.00

MSD: 2005/10/03-2A.62-010

Extracted: 10/03/2005

Analyzed: 10/03/2005 23:10

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0490	0.0454	ND	0.05	98.0	91.5	6.9	69-129	20		
Toluene	0.0496	0.0446	ND	0.05	99.2	89.9	9.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	412	410		500	82.4	82.0		76-124			
Toluene-d8	501	485		500	100.2	97.0		75-116			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/04/2005 17:34

Total Lead

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	09/29/2005 09:00	Soil	1

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/07/2005 11:55

Total Lead

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: SP-1	Lab ID: 2005-10-0007 - 1
Sampled: 09/29/2005 09:00	Extracted: 10/5/2005 08:06
Matrix: Soil	QC Batch#: 2005/10/05-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.5	1.0	mg/Kg	1.00	10/05/2005 15:25	

Total Lead

Cambria Environmental Emeryville

Attn.: David Gibbs

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3363 Fax: (510) 420-9170

Project: 247-0503-006

98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2005/10/05-01.15-072

Soil

Test(s): 6010B

QC Batch # 2005/10/05-01.15

Date Extracted: 10/05/2005 08:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	10/05/2005 14:56	

Total Lead

Cambria Environmental Emeryville
Attn.: David Gibbs

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3363 Fax: (510) 420-9170
Project: 247-0503-006
98995745

Received: 09/30/2005 14:05

Site: 6039 College Ave., Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2005/10/05-01.15

LCS 2005/10/05-01.15-073
LCSD 2005/10/05-01.15-074

Extracted: 10/05/2005
Extracted: 10/05/2005

Analyzed: 10/05/2005 14:59
Analyzed: 10/05/2005 15:03

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	102	100	100.0	102.0	100.0	2.0	80-120	20		

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/07/2005 11:55

STL-San Francisco

SHELL Chain Of Custody Record

100033

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT, HOUSTON

Denis Brown

2005-10-0007

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 4 5

DATE: 9-29-2005

SAPIC/CRMT NUMBER (TS/CRMT)

PAGE: 1 of 1

SAMPLER COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC

LOG CODE:

SITE ADDRESS (Street and City):
6039 College Ave, Oakland, CA

GLOBAL ID NO.: T0600101272

ADDRESS:
5900 HOLLIS ST, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

CONSULTANT PROJECT NO.: 247-0503-006

PROJECT CONTACT (Hardcopy or PDF Report to):
David Gibbs

Sampled by: R. Barone

E-MAIL: shell@landette.com
cambria-env.com

TELEPHONE:
(510) 420-3363

FAX:
(510) 420-9170

E-MAIL:
dgibbs@cambria-env.com

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

cc lab report: rbarone@cambria-env.com

TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)
*	*													X
														X
														X
														X

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

ON ICE

TEMPERATURE ON RECEIPT °C

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
	SP-1-A	9/29	9:00	So	1
	SP-1-B	↓	↓	So	1
	SP-1-C	↓	↓	So	1
	SP-1-D	↓	↓	So	1

Composite

Transmitted by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Time: 1920

Date: 9-29-2005

Transmitted by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date: 9/30/05

Time: 1405

Transmitted by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date: 9, 30, 05

Time: 1640

2005-10-0007

This information is business proprietary and confidential and must not be divulged or shared outside the company. The use of this information is strictly for the purpose of doing business with the Centralized Residual Management Team (CRMT). Upon termination of the relationship with the CRMT, this information is not to be forwarded, duplicated, shared or used for any purpose other than for the documentation of past actions.

RESIDUAL MANAGEMENT PROCEDURE

ISSUED DATE: 08/01/01
CANCELS ISSUE:
ISSUED BY: LRR

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE
VENDOR: ALLIED-BFI
LOCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

CALIFORNIA - TRANSPORTATION AND RETAIL

BTEX - EPA 8021B/8260B (IF BENZENE IS > OR = TO 10 MG/KG THEN TCLP BENZENE IS REQUIRED)

CAM METALS = TTLC METALS - LEAD ONLY

STLC ON ALL TTLC METALS 10 TIMES STLC MAXIMUM

TTLC LEAD=>13 MG/KG REQUIRES ORGANIC LEAD ANALYSIS

IF ANY TTLC TOTAL METAL IS > OR = TO 20 TIMES TCLP REGULATORY LEVELS, TCLP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - GASOLINE

~~MTBE METHOD 8260B (GC/MS)~~

AQUATIC BIOASSAY (FISH TOX) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPH. AQUATIC BIOASSAY (FISH TOX) = PART 800 OF STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER (15TH EDITION)

LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)

-ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE

-ALL REQUIRED TESTS ON COMPOSITE (max 4:1)

-LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS

~~-MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM~~

PROCEDURE ORIGINAL DATE: 08/01/01
PROCEDURE REVISED DATE: 08/01/01

100023

ATTACHMENT E
Disposal Confirmation



Hazardous Waste Hauler (Registration # 2843)

P.O. Box 292547 * Sacramento, CA 95829 * FAX 916-381-1573

Disposal Confirmation

Request for Transportation Received: 10/25/2005

Consultant Information

Company: Cambria
Contact: Ron Barone
Phone: 510-420-3308
Fax: 510-420-9170

Site Information

PO # _____
Street Address: 6039 College Ave.
City, State, ZIP: Oakland, CA

Customer: Shell Oil Company RESA-0023-LDC
RIPR #: 48729
SAP # / Location: NA
Incident #: 98995745
Location / WIC #: NA
Environmental Engineer: Denis Brown

Material Description: Soil
Estimated Quantity: 2 drums
Service Requested Date: ASAP

Disposal Facility: Forward Landfill
Contact: Scott
Phone: 800 204-4242
Approval #: 5909
Date of Disposal: 10/29/05
Actual Tonnage: .41 tons

Transporter: Manley & Sons Trucking, Inc.
Contact: Jennifer Rogers
Phone: 916 381-6864
Fax: 916 381-1573
Invoice: 200510-51
Date of Invoice: 10/31/05